X-A

BIBLIOTHÈQUE

DE

LOUIS AGASSIZ.

4.2

Alex. Agassiz.

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POISSONS FOSSILES.

RECHERCHES

SUR LES

POISSONS FOSSILES,

PAR

L. AGASSIZ.

L. AGASSIZ.

ATLAS, TOME V.

CONTENANT 91 PLANCHES DE L'ORDRE DES CYCLOIDES.

NEUCHATEL, EN SUISSE.

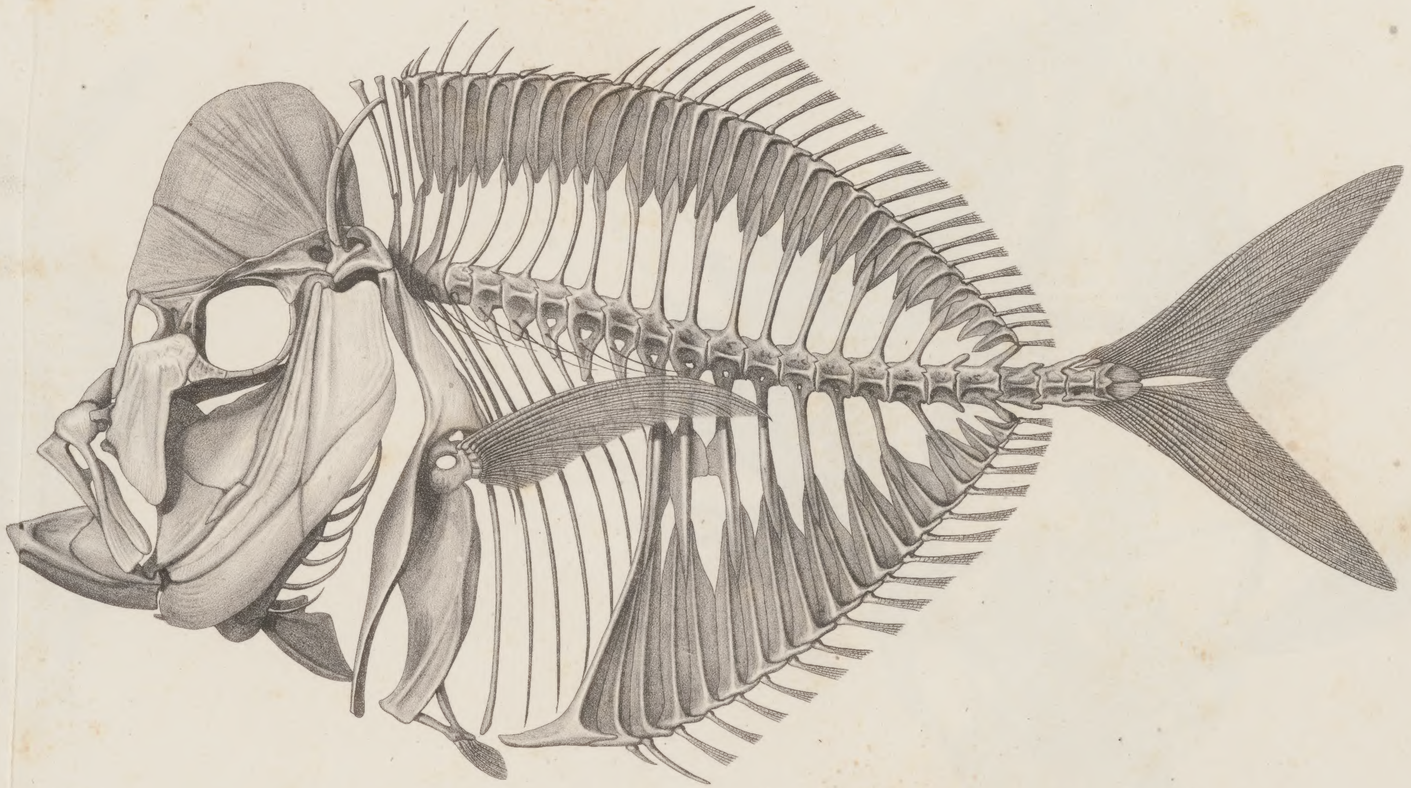
Aux frais de l'auteur,

LITHOGRAPHIE DE H. NICOLET.

1833—43.

ORDRE DES PLANCHES DU CINQUIÈME VOLUME.

Tab. A. Squelette du *Vomer Brownii* (1re livr.)
Tab. B. Squelettes d'*Equula* et de *Zeus* (15e et 16e livr.)
Tab. C. Squelette de *Lichia* (15e et 16e livr.)
Tab. D. Squelettes du *Lepidopus Peronii* et de l'*Anguilla fluviatilis* (8e et 9e livr.)
Tab. E. Squelette de *Tetrapterus*. (15e et 16e livr.)
Tab. F. Squelettes de *Sphyræna* et de *Mugil* (4e livr.)
Tab. G. Squelettes de l'*Elops saurus* et de l'*Echeneis naucrates* (8e et 9e livr.)
Tab. H. Squelettes de l'*Ophidium barbatum* et du *Lota fluviatilis* (15e et 16e livr.)
Tab. J. Squelette de l'*Esox Lucius* (15e et 16e livr.)
Tab. K. Esox Lucius, tête et os détachés (15e et 16e livr.)
Tab. L. Squelette d'*Alosa* (5e livr.)
Tab. M. Squelette du *Lophius piscatorius* (17e livr.)
Tab. 1. *Gasteronemus oblongus* (1re livr.)
Tab. 2. *Gasteronemus rhombeus* (1re livr.)
Tab. 3. *Acanthonemus filamentosus* (2e livr.)
Tab. 4. *Acanthonemus filamentosus* (2e livr.)
Tab. 5. *Vomer longispinus* (2e livr.)
Tab. 6. *Vomer longispinus* (2e livr.)
Tab. 7. *Trachinotus tenuiceps* (3e livr.)
Tab. 8. *Carangopsis dorsalis* (3e livr.)
Tab. 9. *Carangopsis analis* et *latior*. (15e et 16e livr.)
Tab. 10. *Sphyræna gracilis, bolcensis* et *Amici*. (15e et 16e livr.)
Tab. 11. *Lichia prisca* (3e livr.)
Tab. 11 *a*. *Lichia prisca* (4e livr.)
Tab. 12. *Ductor leptosomus* (3e livr.)
Tab. 13. *Amphistium paradoxum* (3e livr.)
Tab. 14. *Platinx elongatus* (5e livr.)
Tab. 15. *Istieus gracilis* (13e livr.)
Tab. 16. *Istieus macrocephalus* (14e livr.)
Tab. 17. *Istieus microcephalus* (14e livr.)
Tab. 18. *Istieus grandis* (14e livr.)
Tab. 19. *Palimphyes longus* (5e livr.)
Tab. 20. *Palimphyes brevis* (4e livr.)
Tab. 21. *Palimphyes brevis* et *Isurus macrurus* (14e livr.)
Tab. 21 *a*, (par erreur 21) *Nemopteryx elongatus* (14e livr.)
Tab. 22. *Nemopteryx crassus* (14e livr.)
Tab. 23. *Orcynus lanceolatus* (5e livr.)
Tab. 24. *Orcynus latior* (4e livr.)
Tab. 25. *Cybium speciosum* (5e livr.)
Tab. 25 *a*. *Hypsodon lewesiensis* (8e et 9e livr.)
Tab. 25 *b*. *Hypsodon lewesiensis* (8e et 9e livr.)
Tab. 25 *c*. *Enchodus halocyon*, *Saurocephalus striatus* et *lanciformis* et *Saurodon leanus*. (8e et 9e livr.)
Tab. 26. *Cybium macropomum* et *Sphyrænodus priscus* (13e livr.)
Tab. 27. *Thynnus propterygius* (5e livr.)
Tab. 28. *Palimphyes latus* et *Archæus brevis* et *glarisianus* (15e et 16e livr.)
Tab. 29. *Anguilla multiradiata* et *pachyura*, et *Enchodus Faujasii* (15e et 16e livr.)
Tab. 30. *Hemirhynchus DesHayes* (sous le nom d'*Histiophorus*) (13e livr.)
Tab. 31. *Tetrapterus priscus* (13e livr.)
Tab. 32. *Palæorhynchum Colei* et *latum* (14e livr.)
Tab. 33. *Palæorhynchum medium* (14e livr.)
Tab. 34 *Palæorhynchum glarisianum* (14e livr.)
Tab. 34 *a*. *Palæorhynchum microspondylum*, *Egertoni* et *longirostre* (14e livr.)
Tab. 35. *Palæorhynchum latum* (14e livr.)
Tab. 36. *Anenchelum latum* (14e livr.)
Tab. 37. *Anenchelum glarisianum*, *isopleurum* et *dorsale* (14e livr.)
Tab. 37 *a*. *Anenchelum dorsale* et *heteropleurum* (14e livr.)
Tab. 37 *b*. (par erreur 37) *Engraulis evolans* et *Clupea macropoma* (15e et 16e livr.)
Tab. 38. *Rhamphognatus paralepoides* (sous le nom de pompilius) et *Mesogaster sphyrænoides* (12e livr.)
Tab. 39. *Spinacanthus blennioïdes* et *Labrus Valenciennesii* (sous le nom de *microdon*) (12e livr.)
Tab. 40. *Lophius brachysomus* (12e livr.)
Tab. 41. *Lebias cephalotes, per pusillus Gobio*, etc. (12e livr.)
Tab. 42. *Esox lepidotus* (12e livr.)
Tab. 43. *Anguilla brevicula*, *ventralis* et *latispina* et *Holosteus esocinus* (13e livr.)
Tab. 44. *Sphenolepis Cuvieri* (15e et 16e livr.)
Sdb. 45. *Sphenolepis squammosseus* (15e et 16e livr.)
Tab. 46. *Notæus laticaudus* (15e et 16e livr.)
Tab. 47. *Esox Otto* et *Lucius* (15e et 16e livr.)
Tab. 48. *Mugil princeps* et *Zeus priscus* (15e et 16e livr.)
Tab. 49. *Enchelyopus tigrinus* (12e livr.)
Tab. 50. *Acanthopis angustus*, *Cobitis centrochir* et *cephalotes* (4e livr.)
Tab. 51. *Tinca leptosoma* (4e livr.)
Tab. 51 *a*. *Tinca micropygoptera*, et *Leuciscus latiusculus* (18e livr.)
Tab. 51 *b*. *Leuciscus macrurus* (18e livr.)
Tab. 51 *c*. *Leuciscus Hartmanni*, *gracilis* et *brevis* (18e livr.)
Tab. 52. *Tinca furcata* (5e livr.)
Tab. 53. *Gyclurus minor* et *Valenciennesii* (12e livr.)
Tab. 54. *Gobio analis* et *Rhodeus elongatus* et *latior* (4e livr.)
Tab. 55. *Aspius gracilis* et *Brongniarti* (4e livr.)
Tab. 56. *Leuciscus papyraceus* (4e livr.)
Tab. 57. *Leuciscus heterurus*, *pusillus* et *œningensis* (4e livr.)
Tab. 58. *Leuciscus œningensis* (4e livr.)
Tab. 59. *Leuciscus leptus* (4e livr.)
Tab. 60. *Mallotus villosus* (4e livr.)
Tab. 60 *a*. *Acrognathus Boops*, *Aulolepis typus* et *Tetrapterus minor* (8e et 9e livr.)
Tab. 60 *b*. *Osmeroides lewesiensis* (8e et 9e livr.)
Tab. 60 *c*. *Osmeroides lewesiensis*. (8e et 9e livr.)
Tab. 60 *d*. *Osmerus Cordieri*, *Osmeroides Monasterii* et *microcephalus* (12e livr.)
Tab. 61. *Clupea minima*, *Beurardi*, *tenuissima*, *dentex*, etc. (13e livr.)
Tab. 62. *Clupea brevis*, *Osmerus glarisianus* (sous le nom d'*Osmeroides*) (14e livr.)
Tab. 63. *Halec Sternbergii* (14e livr.)
Tab. 64. *Alosa elongata* (14e livr.)



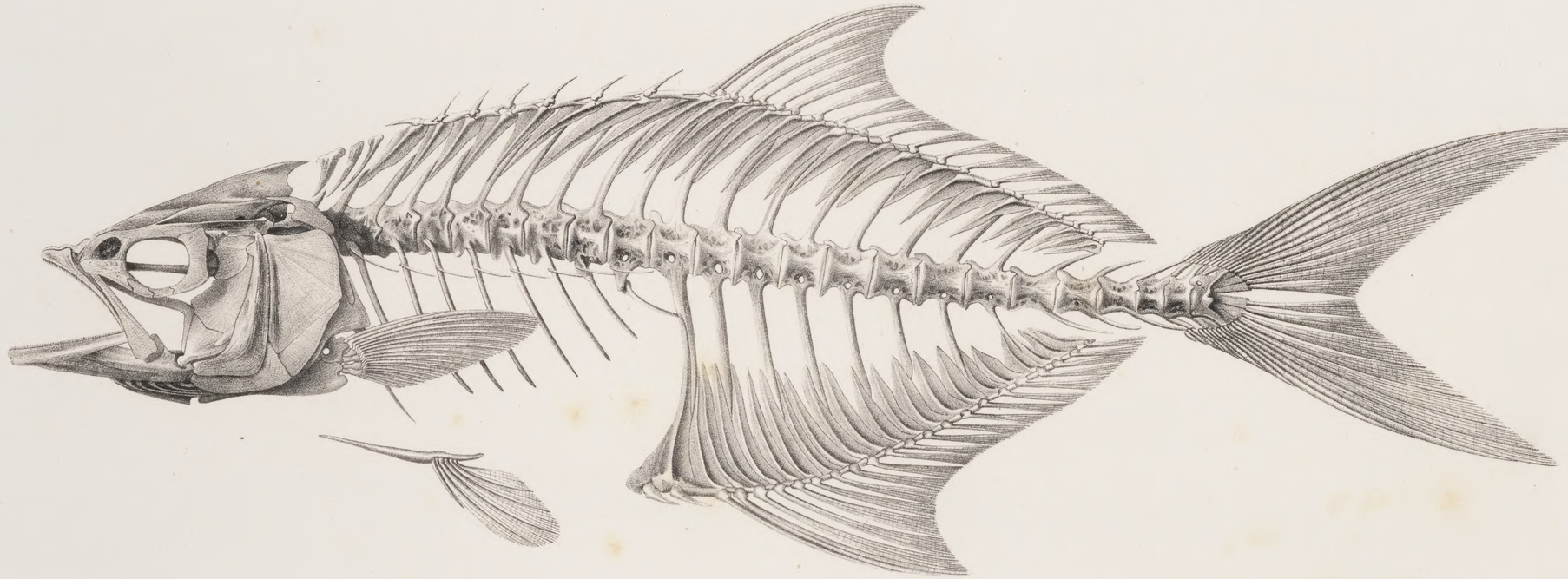
J. Dinkel Sc.

J. Unger vn. Lap.

VOMER.

A. Sonrel in lap. del. Lith. de Nicolet & Thez à Neuchatel (Suisse)

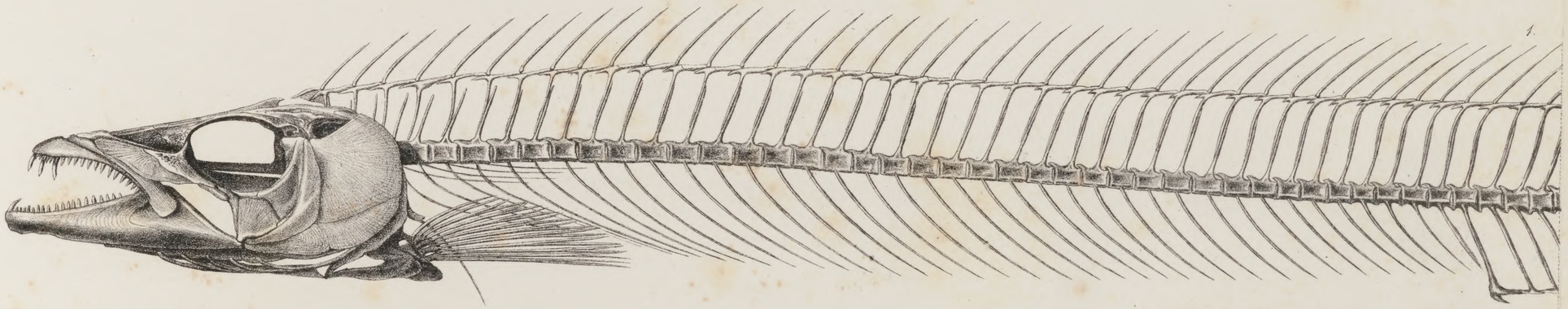
EQUULA & ZEUS.



A. Sowerl in lap. del.

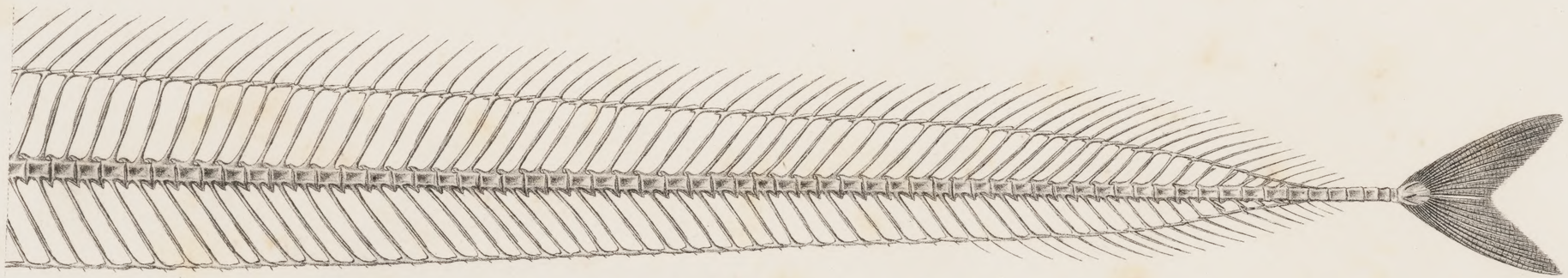
Lith. de Nicolet & Thez a Neuchatel (Suisse.)

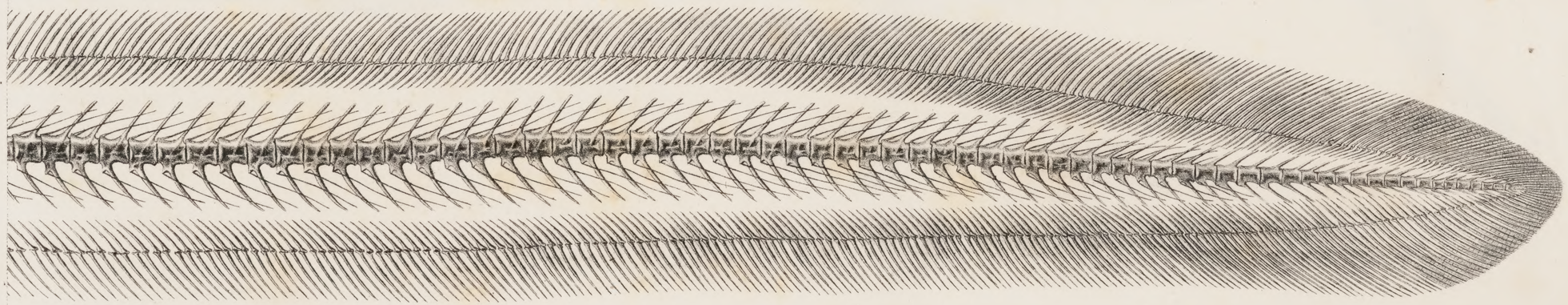
LICHIA



C.Weber del.

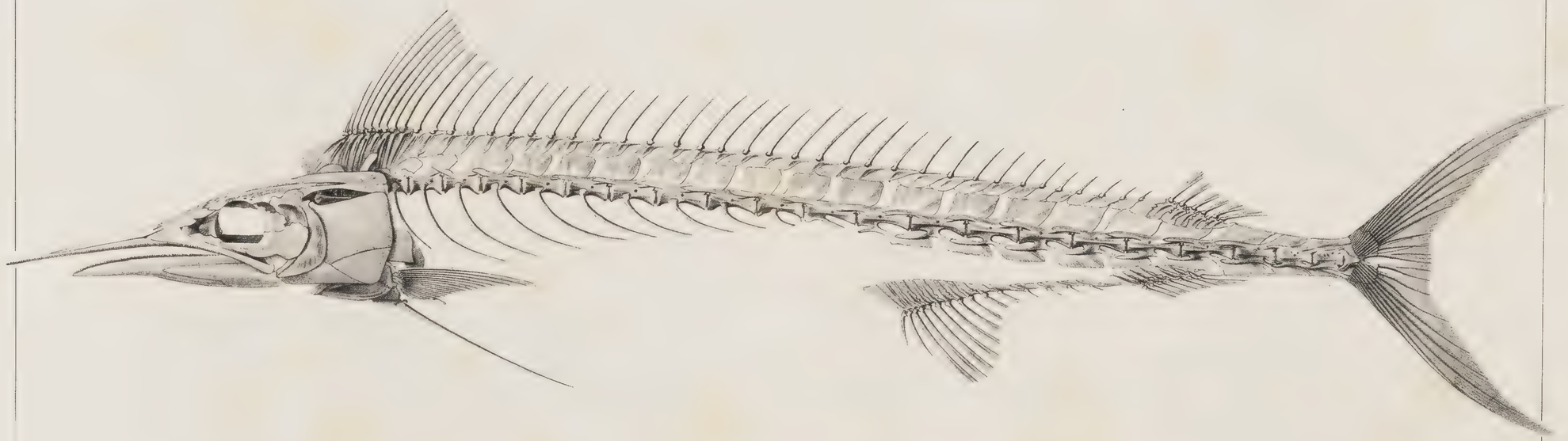
Fig. 1. LEPIDOPUS .





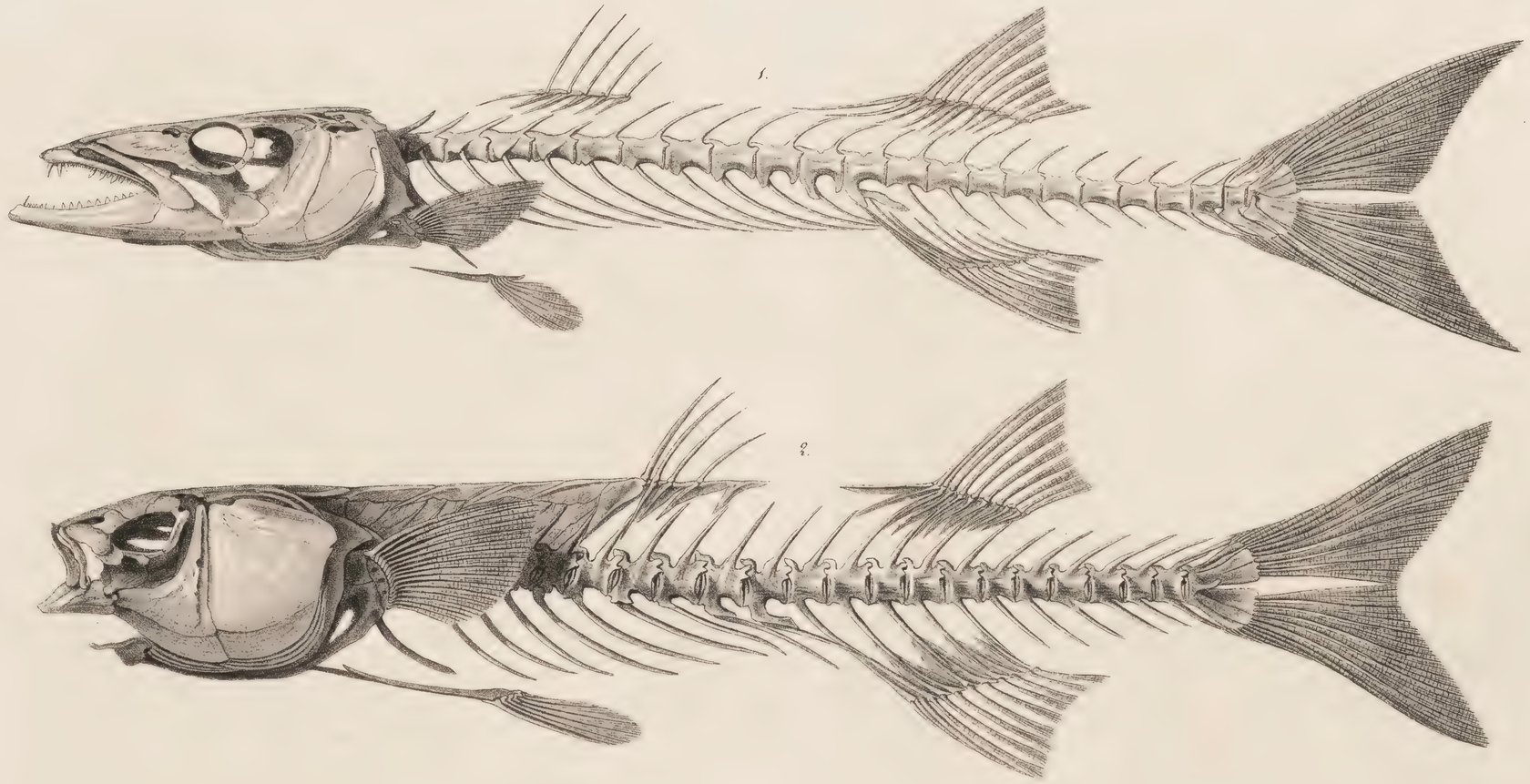
C. Weber in lap.

Fig. 2. ANQUILLA.



Lith. de Nicolet & Thez à [illegible]

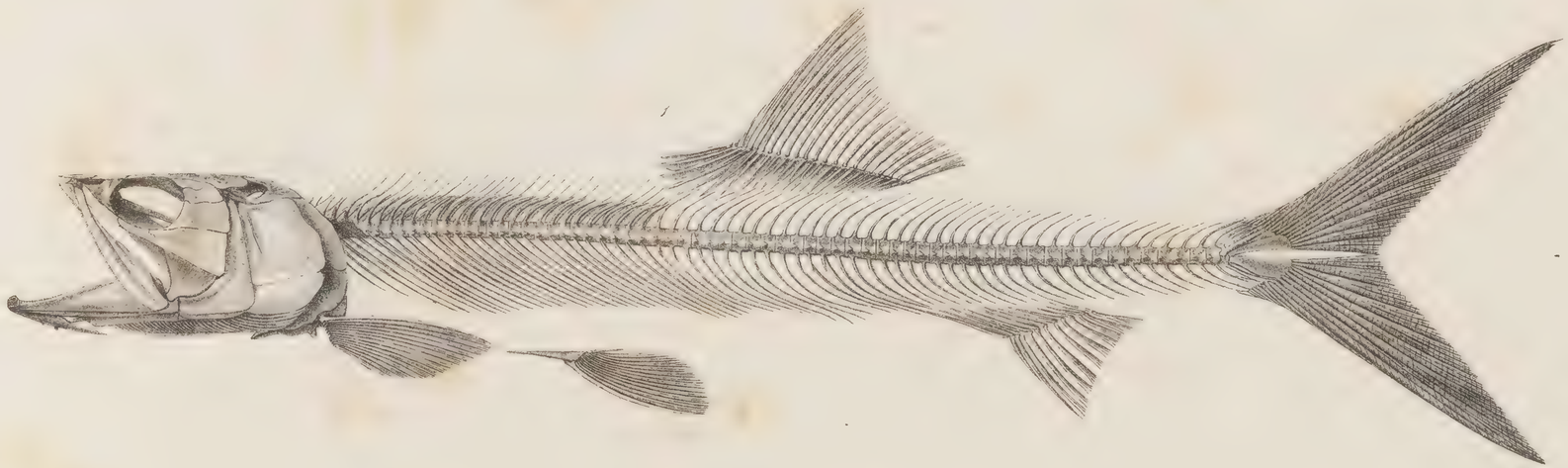
TETRAPTERUS.

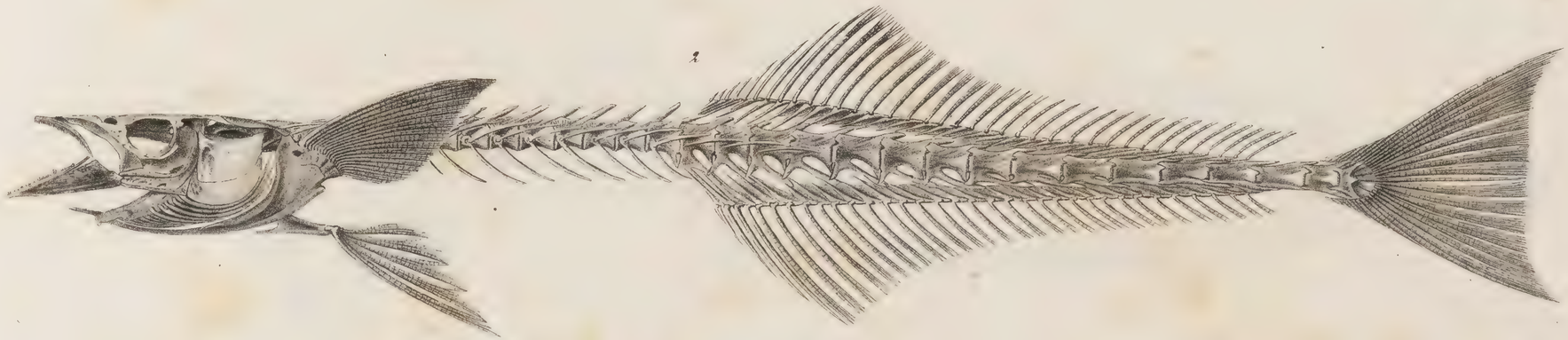


Duhel del.

Weber imp. Lapid.

Fig. 1 [illegible] Fig. 4 [illegible]

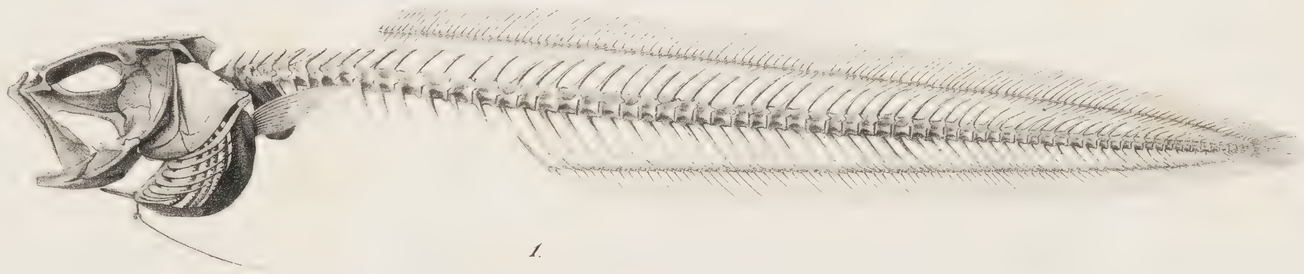




J. Dinkel del.

C. Weber in Lap.

Fig 1 [illegible] Fig 2 [illegible]



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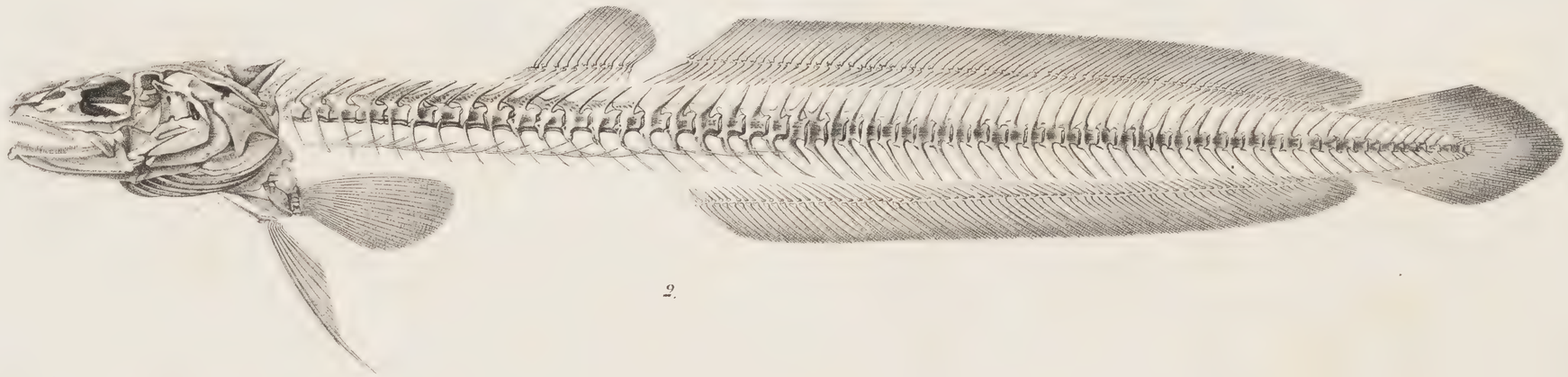
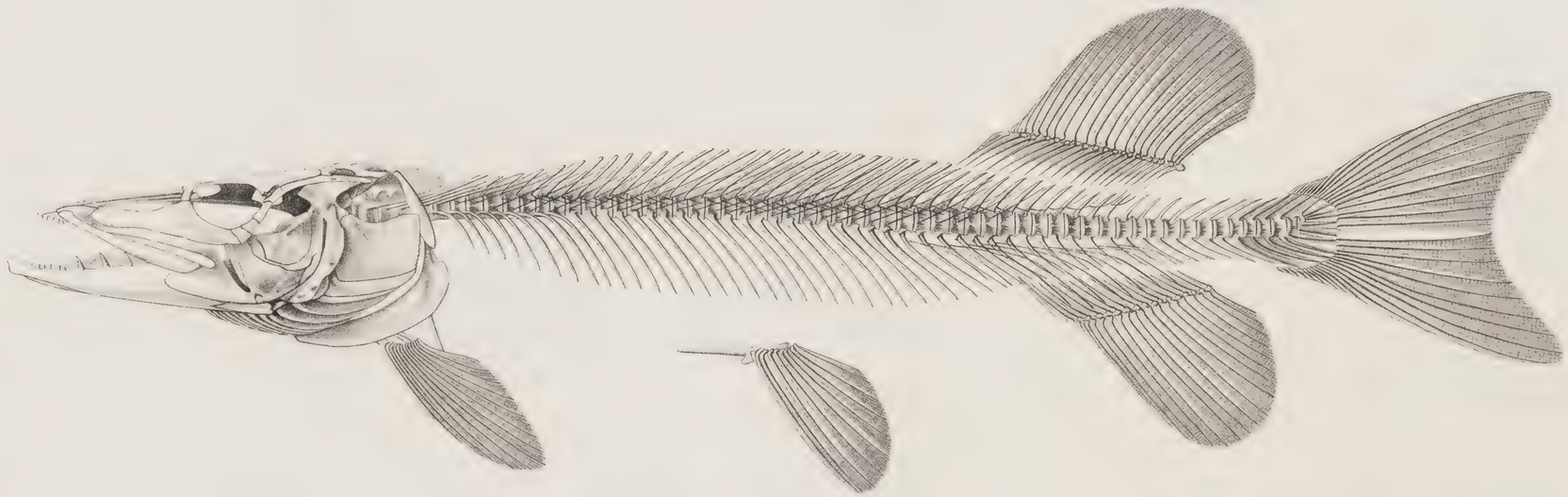


2.

Dessiné et Lithographié par L. Coulon.

Lith de Nicolet & Thez a Neuchatel (Suisse.

Fig. 1. [illegible] Fig. 2. LOTA.



Dinkel ad nat Sonrel in lap

Lith de Nicolet et Thez a Neuchatel

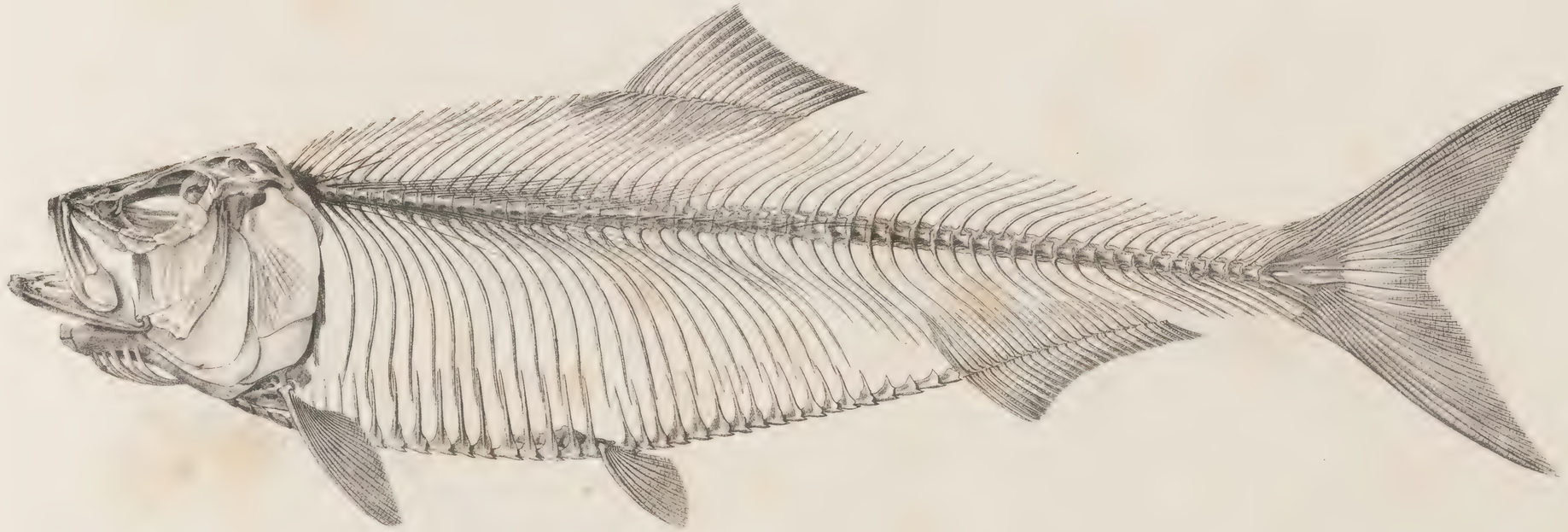
ESOX .

A. Sonrel in lap

Lith de Nicolet et Thez à Neuchatel

ESOX.

Tab. L.



J. Dinkel del

C. Weberann lap

J. Dinkel pinx. Dickmann. lith.

Lith de Nicolet et Thez à Neuchatel (Suisse)

ESOCES PISCATORII.

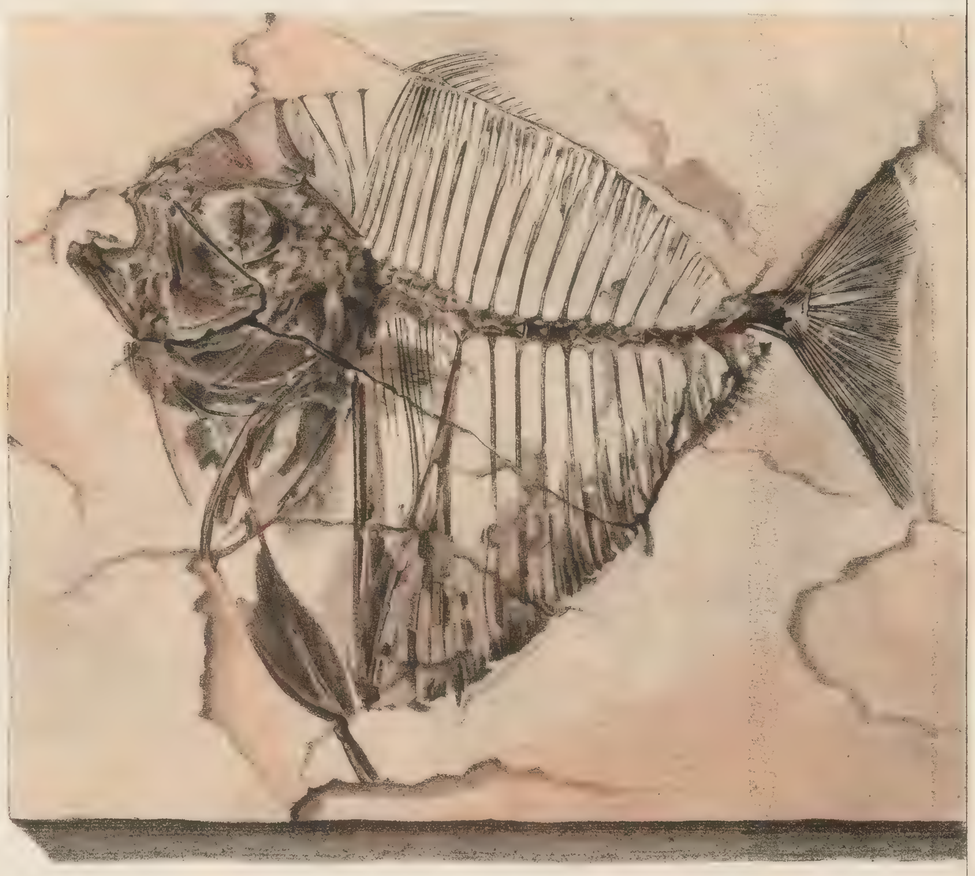
1

2

GASTEROTREMUS OBLONGUS Agass.

1

2



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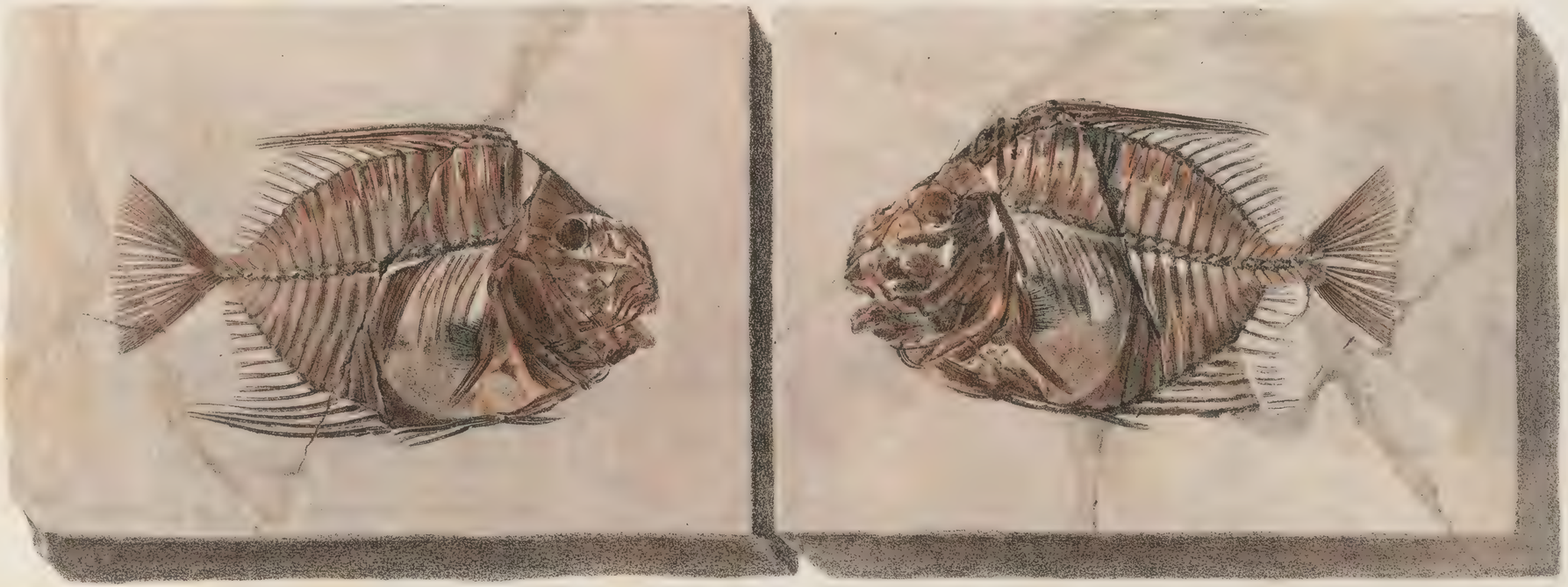
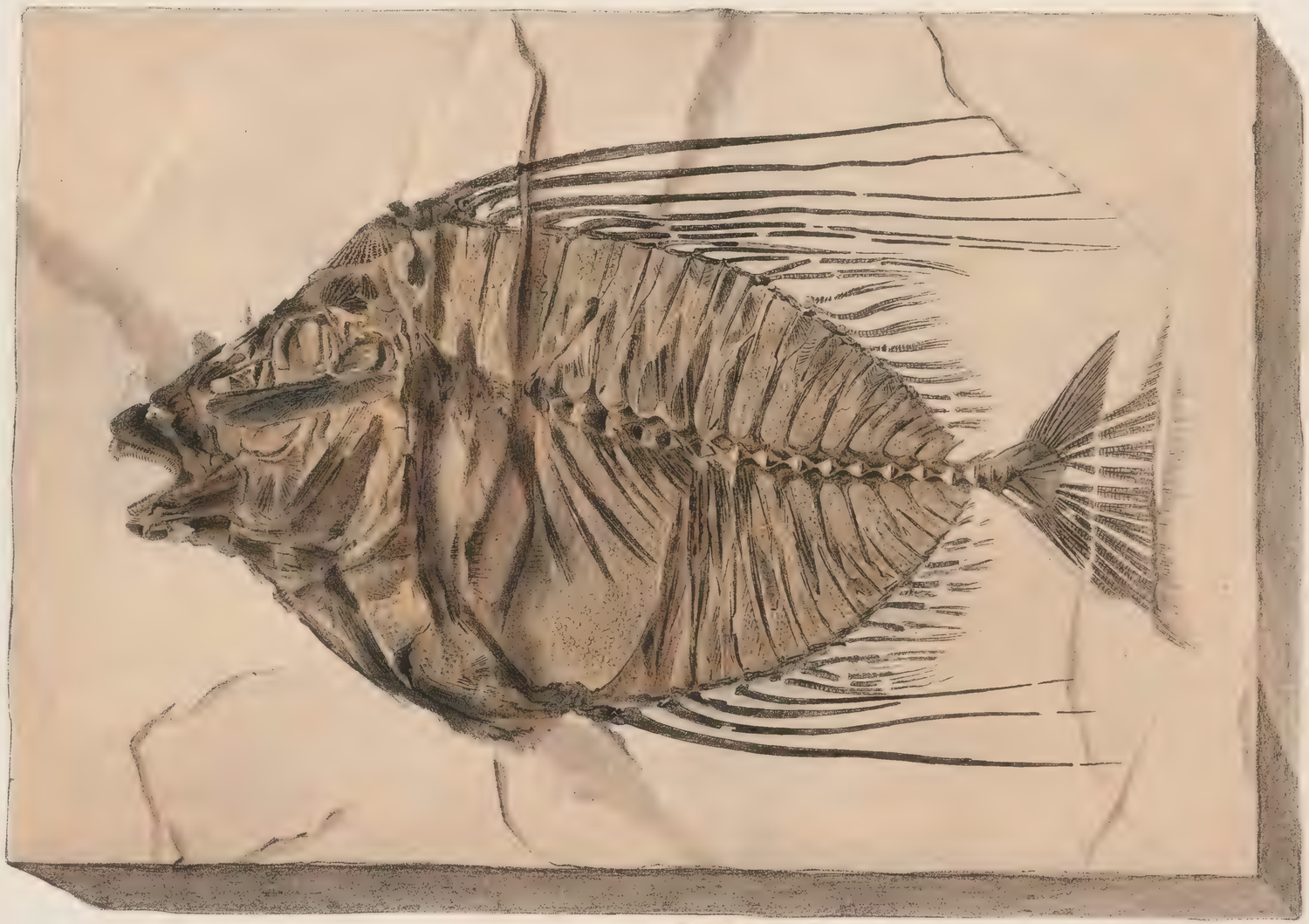


Dinkel del

Unger in Lpz

ANANTINUS FILAMENTOSUS Agass.



C. Weber in Lap.

ACANTHONEMUS FILAMENTOSUS Gthr.

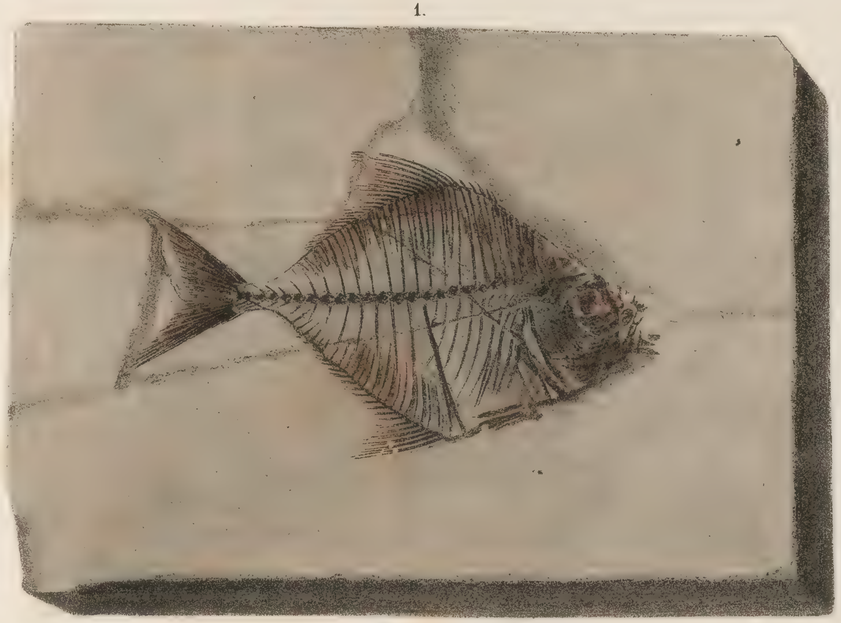
Hellmuth in Lap

TOMEK HORSTIG Lipsc

J. Linkel de. J. Alethen. Lat

VOMER LONGISPINUS Agass.

1.

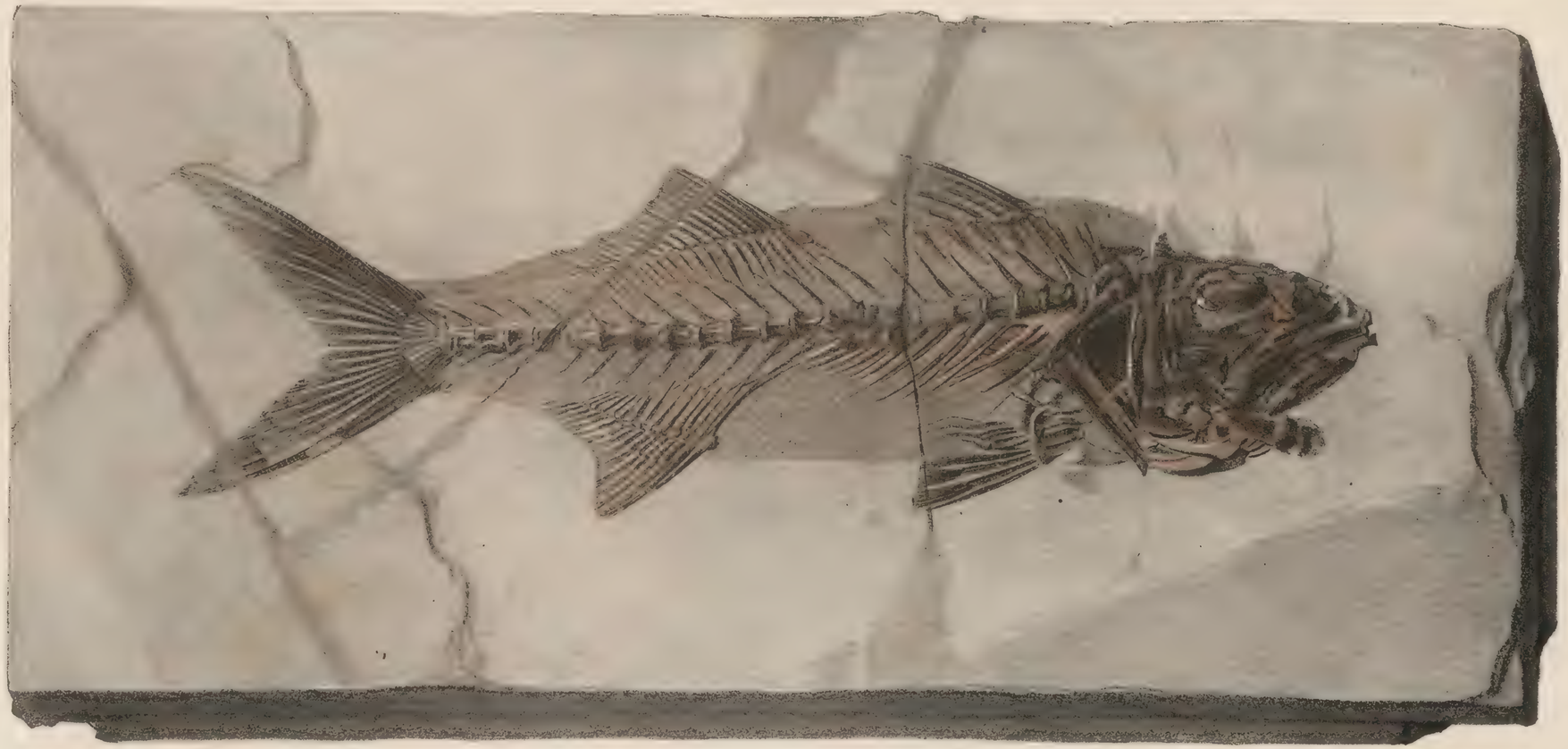


2.

J. Dinkel. del.

C. Weber in Lap.

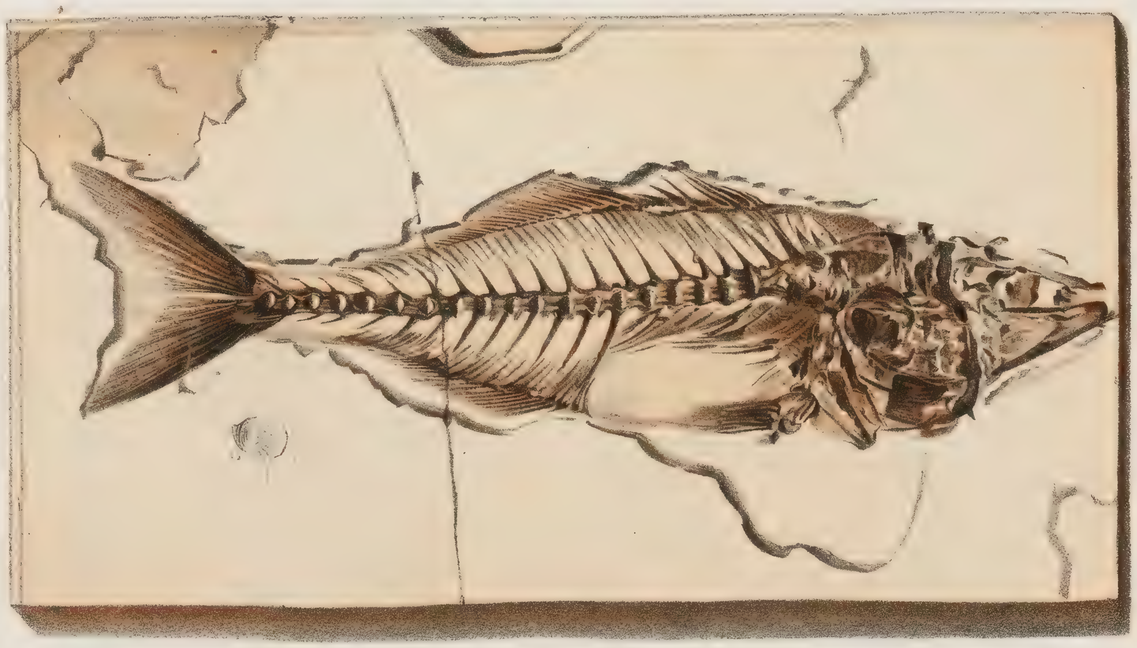
TRACHINOTUS TENUICEPS A. Agass.



J. Jinkel del.

C. Weber in Lap

CARANGOPSIS DORSALIS Agass.



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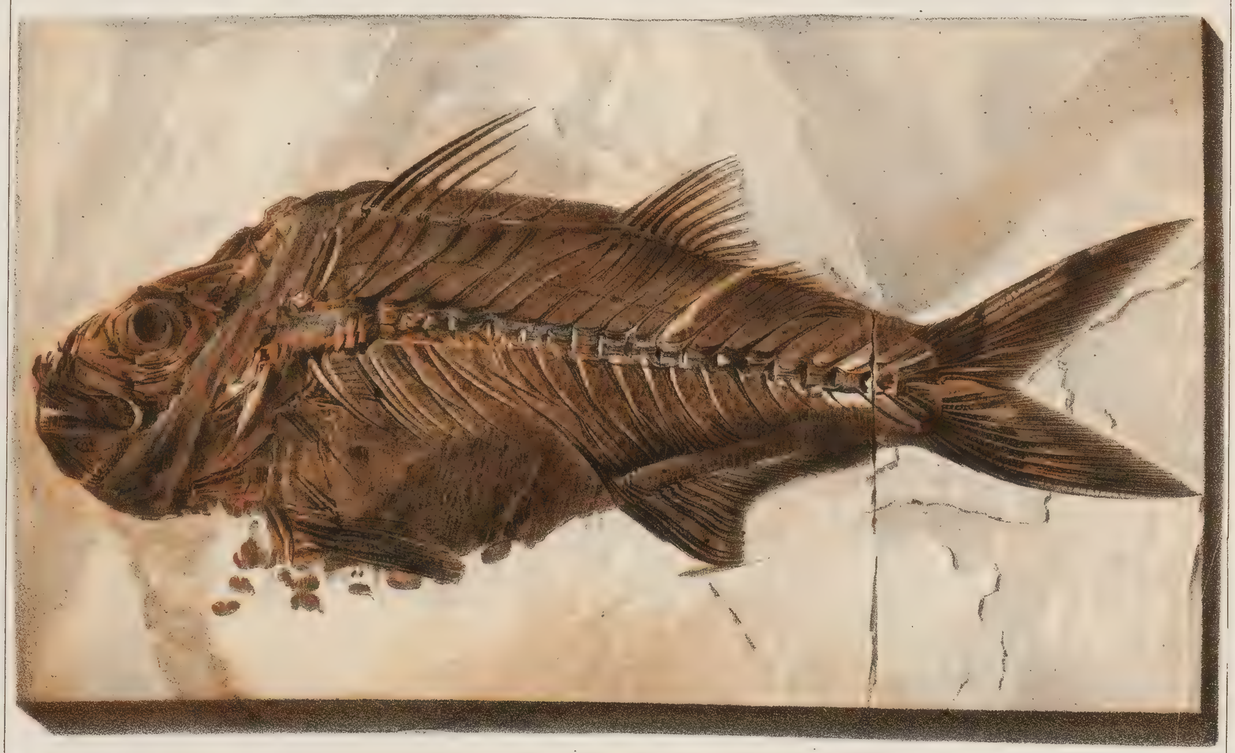
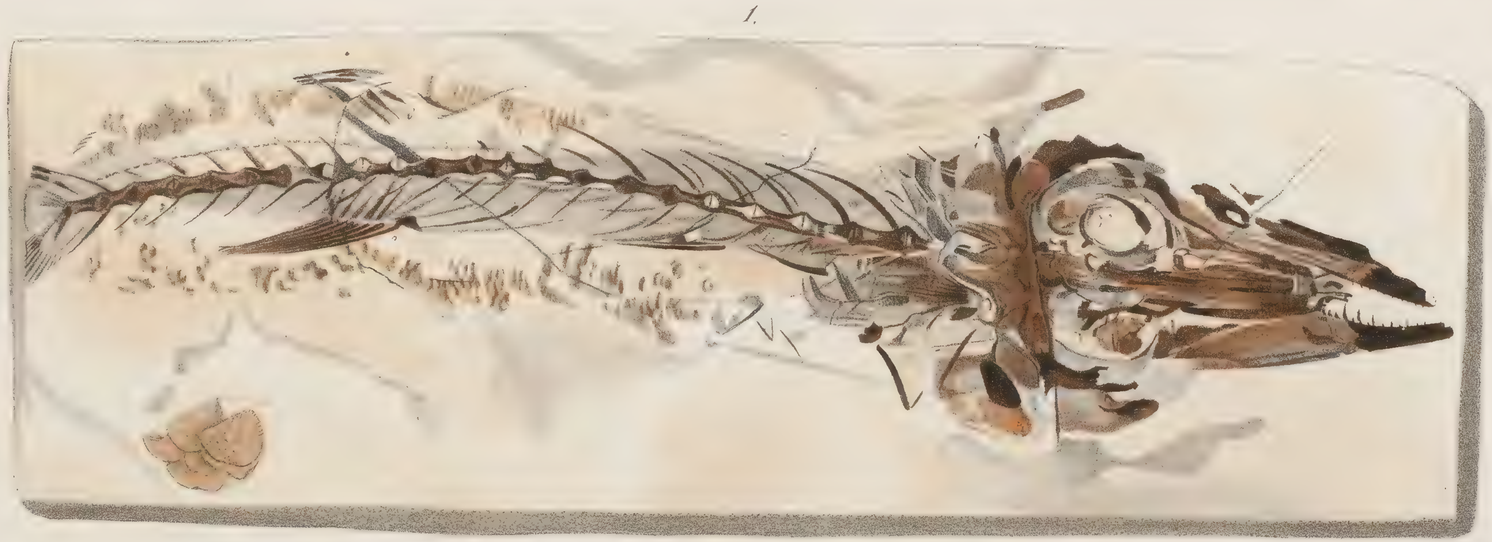


2.

Dunkel del. Sculp. Lith.

Fig. 1. [illegible] Fig. 2. [illegible]

3.



1.

2.

Lith de Nicolet et Thez a Fribourg

Fig. 1. SPHYRAENA GRACILIS A. ♂ — *Fig. 2.* SPHYR. BOLCENSIS A. ♂ — *Fig 3.* SPHYR. AMICI A. ♂

J. Weber del. in Lap

Bolca

Dunkel del.

Weber sculp.

J. Dinkel del.

C. Weber in Lap

DUCTOR LEPTOSOMUS Agass

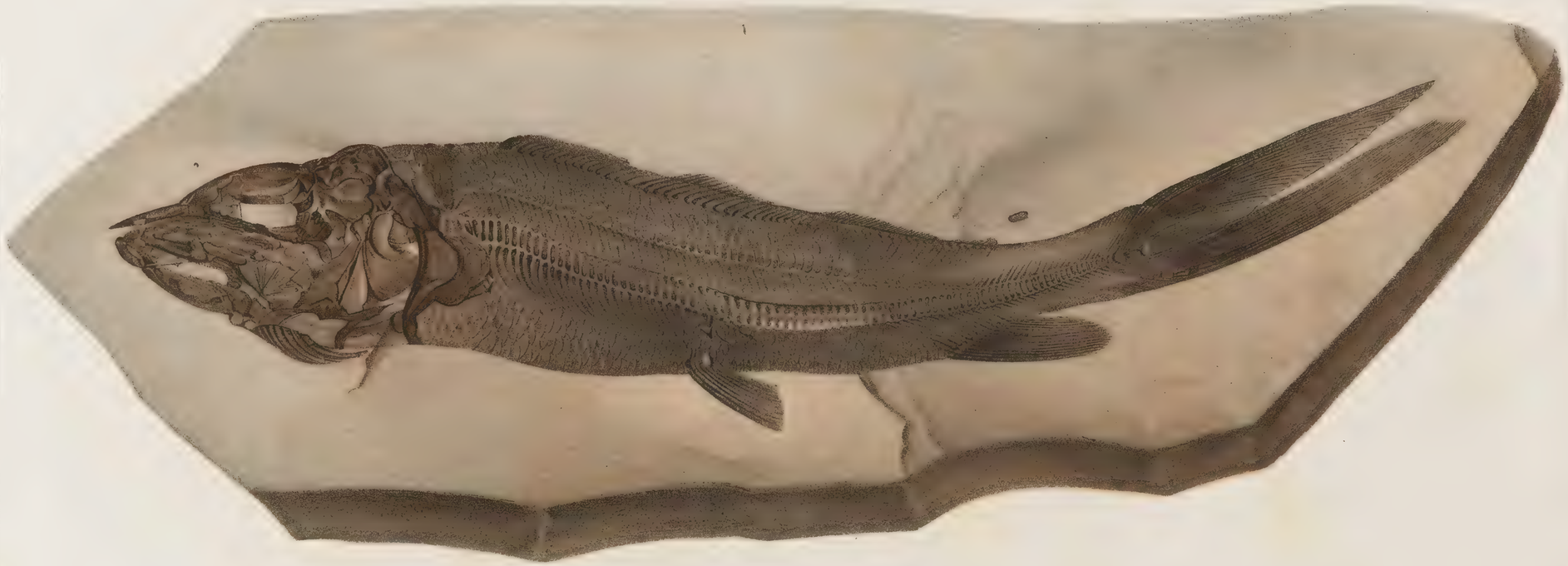
Jos. Dinkel del. C. Weber in lap.

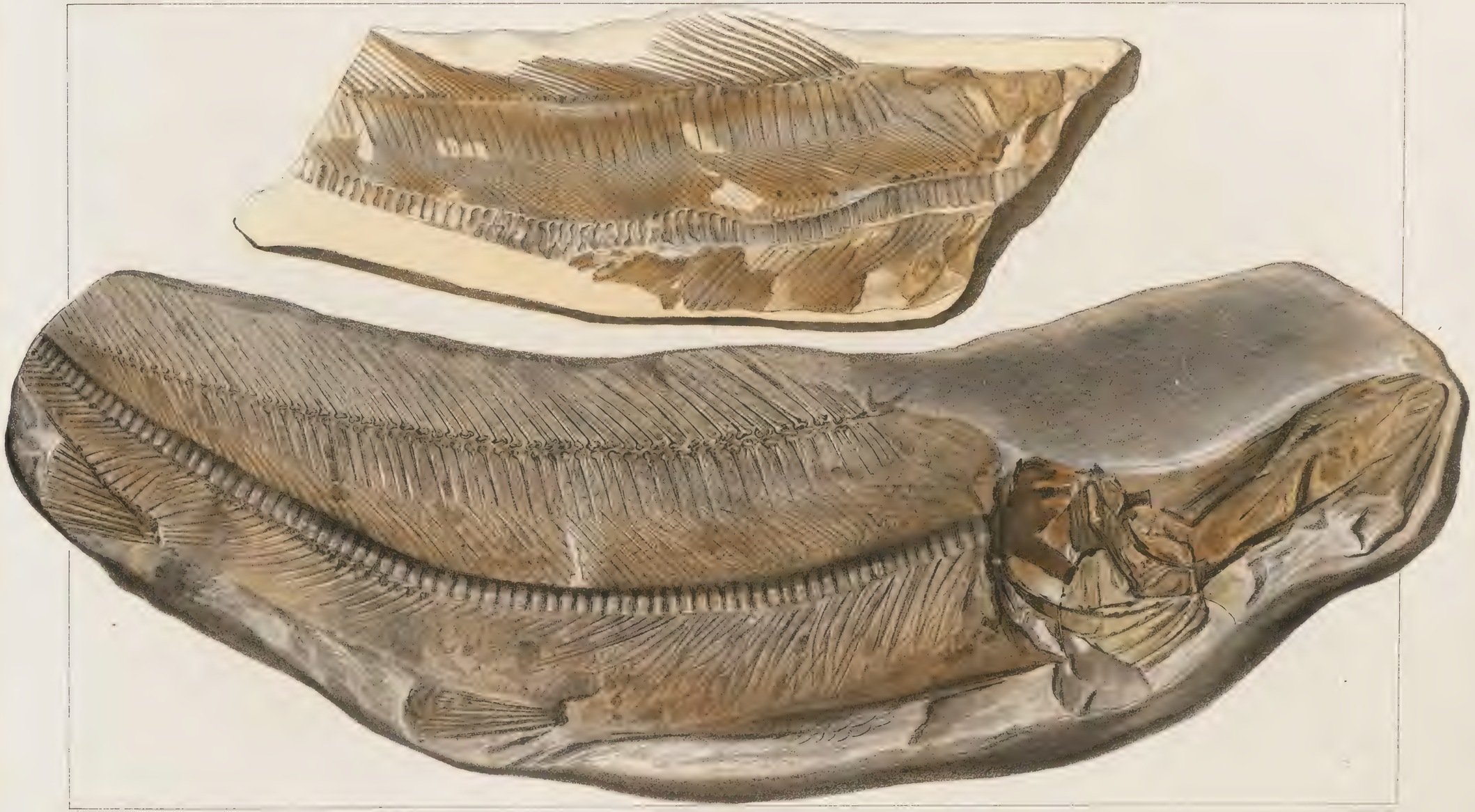
Bolca

J. Dinkel del.

C. Weberan lap

SPATINUS ELONGATUS *Agass.*





J Dinkel, del

C Weber in lap.

PALIMPHYES LONGUS Agass.

1.

2.

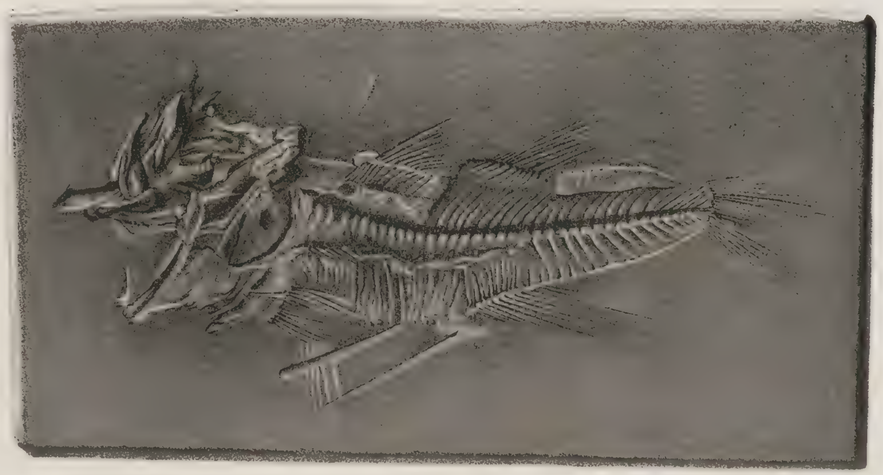
Dinkel del. Weber, n. Land

PALIMPHYES

2.

Glaris

1.



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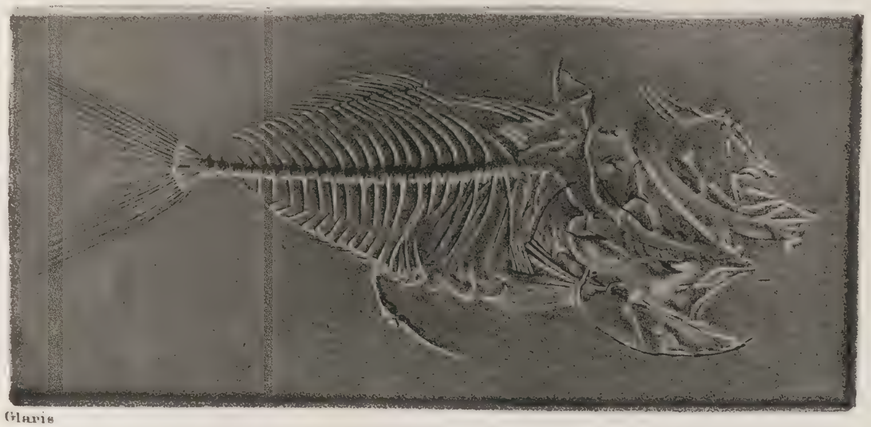
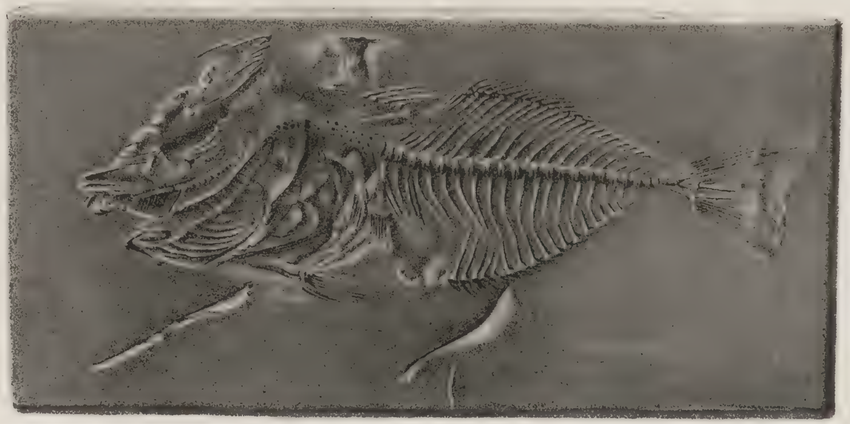


Glaris

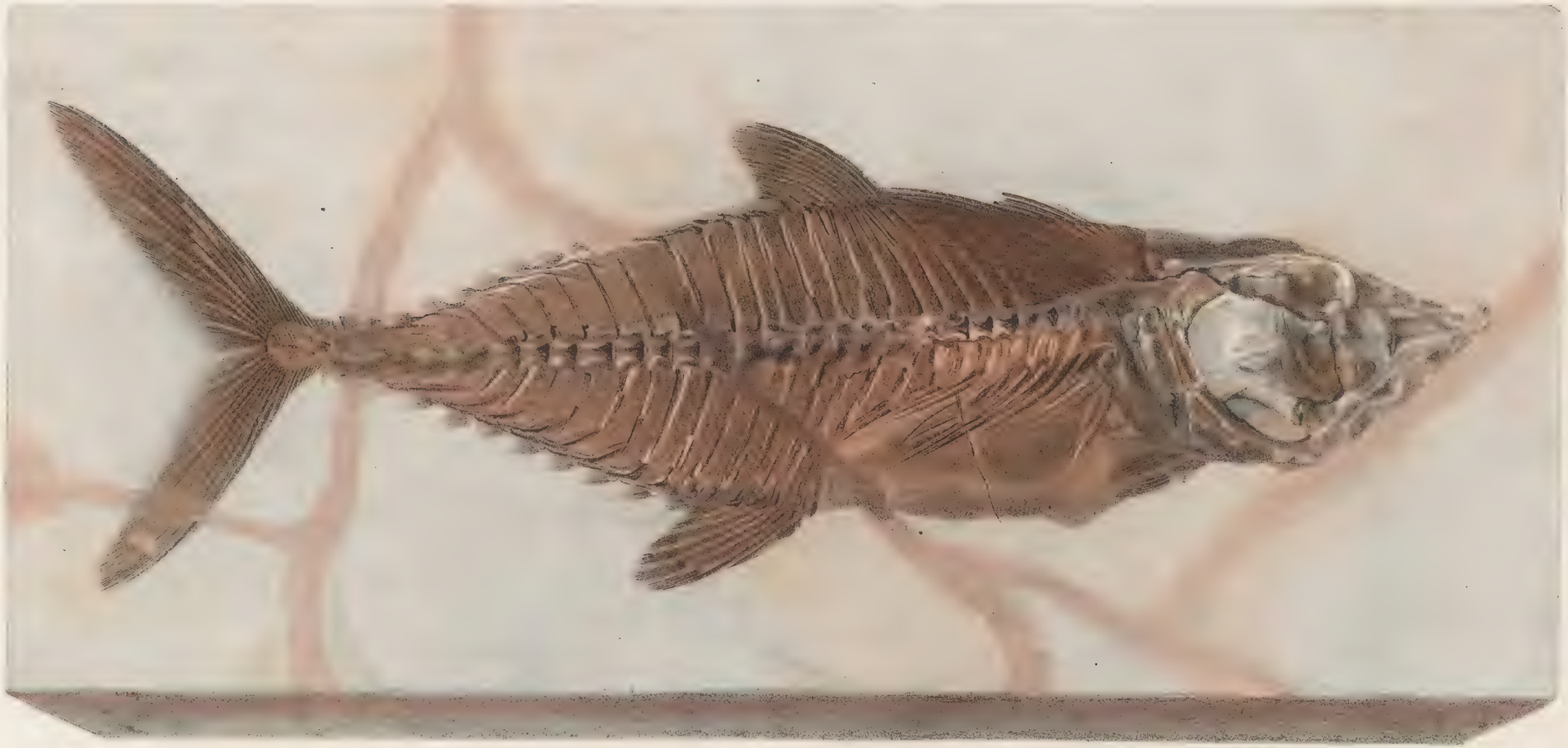
4.



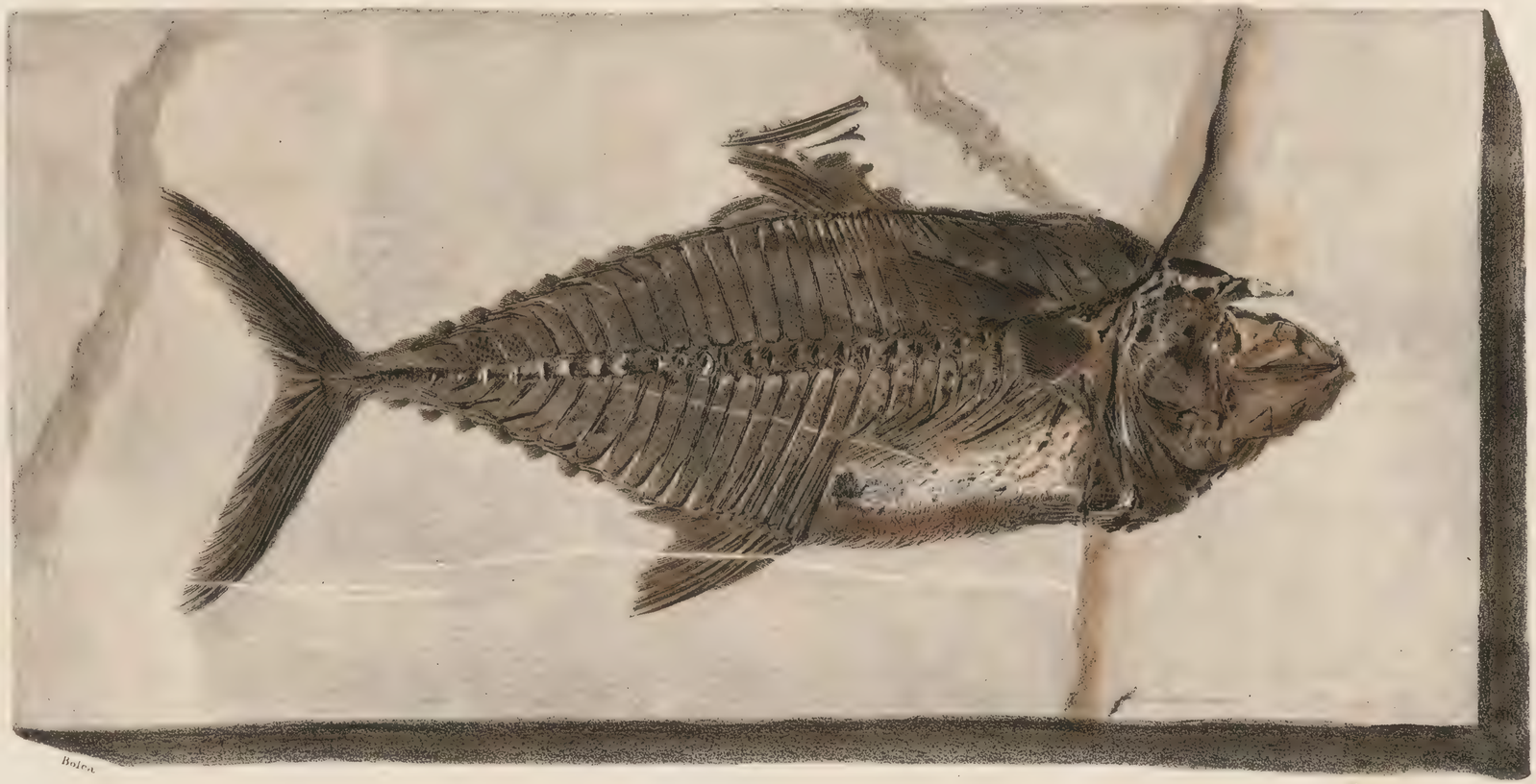
Bouckhardt in lap

Fig 1et 2. PALIMPHEUS [illegible] *Fig.3et 4.* [illegible]

Glaris



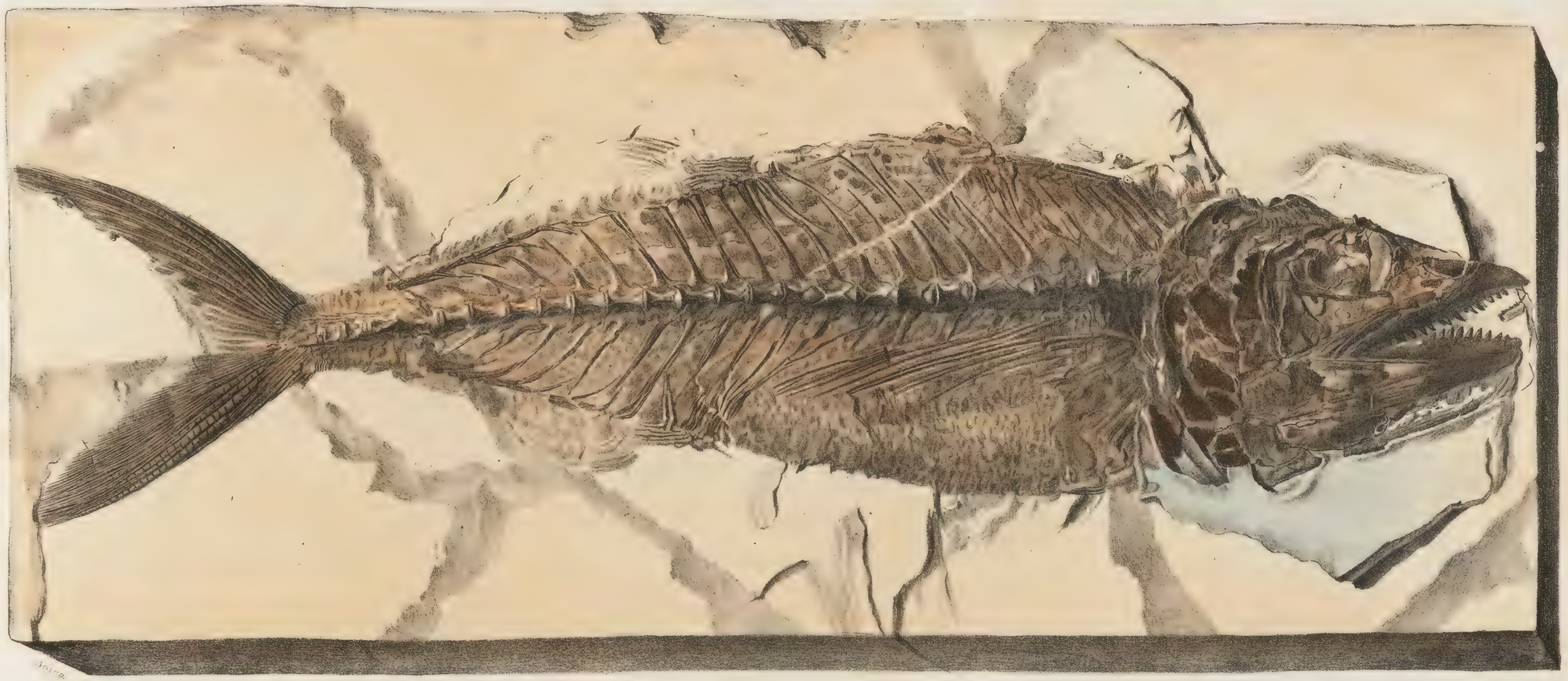
C. Weberin.ia.



Bulen

Dunkel del. Ungerin lapid

DIGITAL LIBRARY Lagos.



J. Dinkel del. Th. Hellmuth lith.

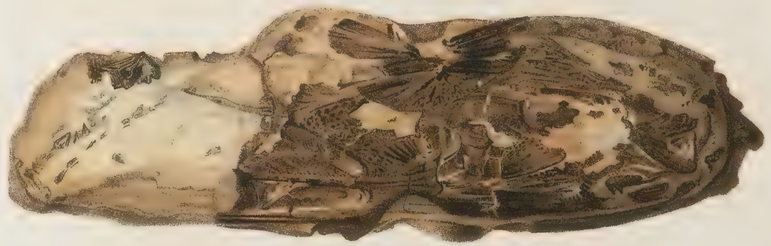
Ex Museo Academiae Agrar.

T. Dunkel del. C. Weber in lap.

HYPSODON LEWESIENSIS Agass.

Fig. 1–16. [illegible] Fig. 17–20. [illegible]

Fig. 21–29. [illegible] Fig. 30. 31. [illegible]



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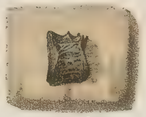


3.

6.

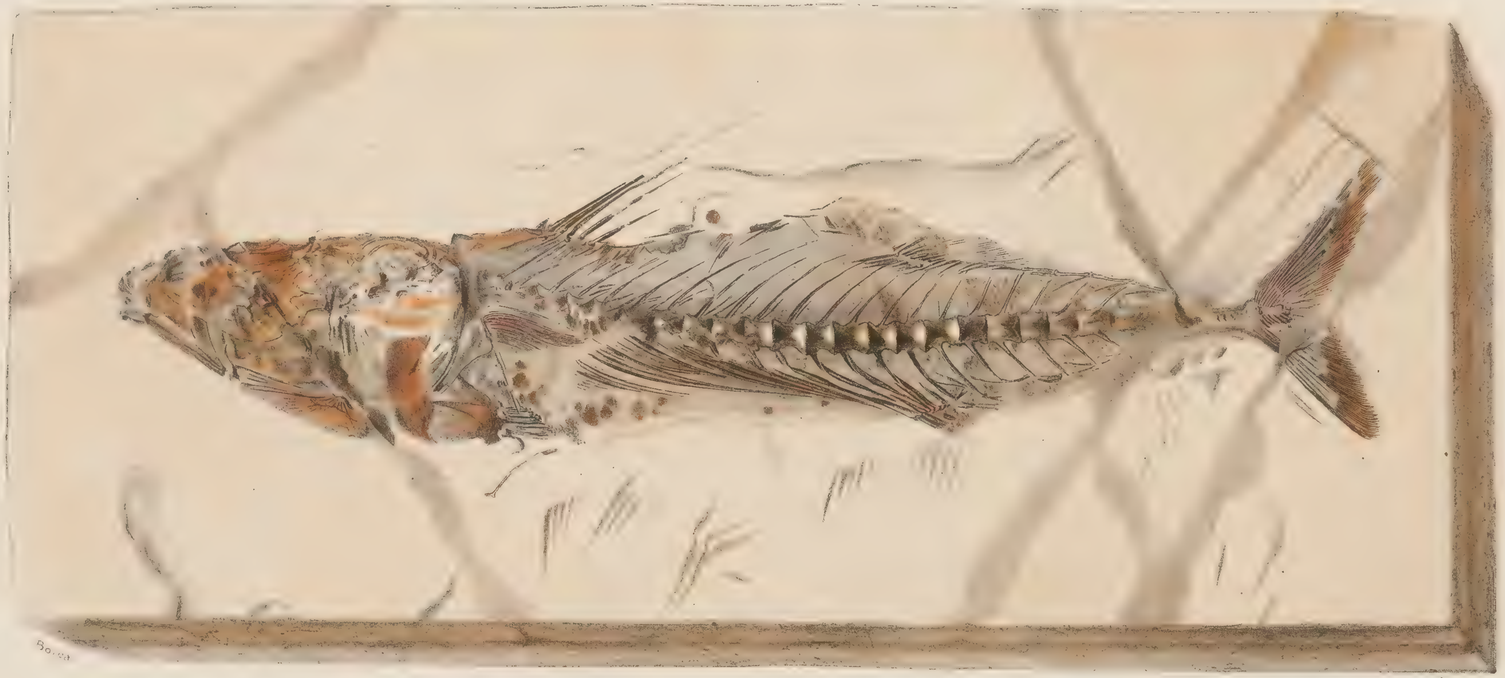
2.

5.

Lith de Nicolet à Neuchatel (Suisse)

Bettanmier

Fig. 1-3. *Fig. 4-6.*



J. Dinkel del.

C. Weber in lap.

Agass.

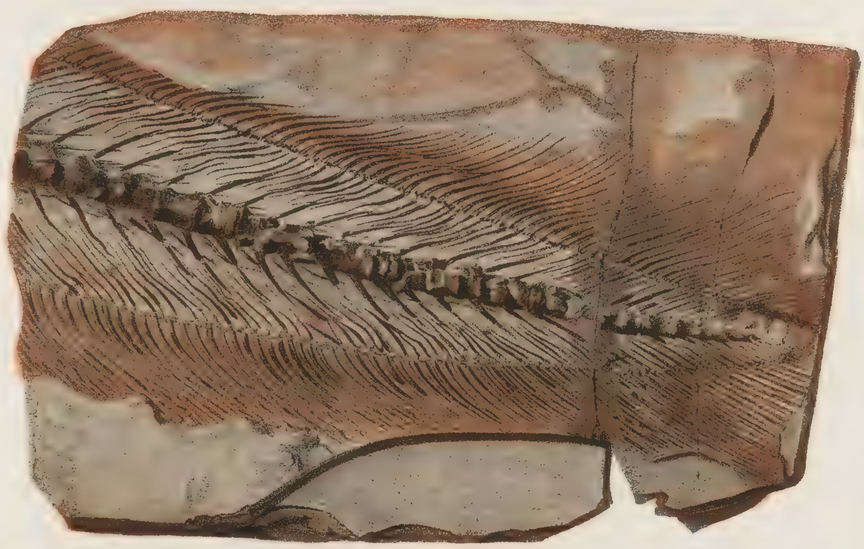
Tab. 28.

Pinkel ad nat. Jagerm lat

Lith de Nicolet et Thez à Neuchatel

Fig. 1. PALYMPHIES LATUS Ag. – *Fig. 2.* ARCHÆUS BREVIS Ag. – *Fig. 3.* ARCH. CLARKIANUS Ag.

1.



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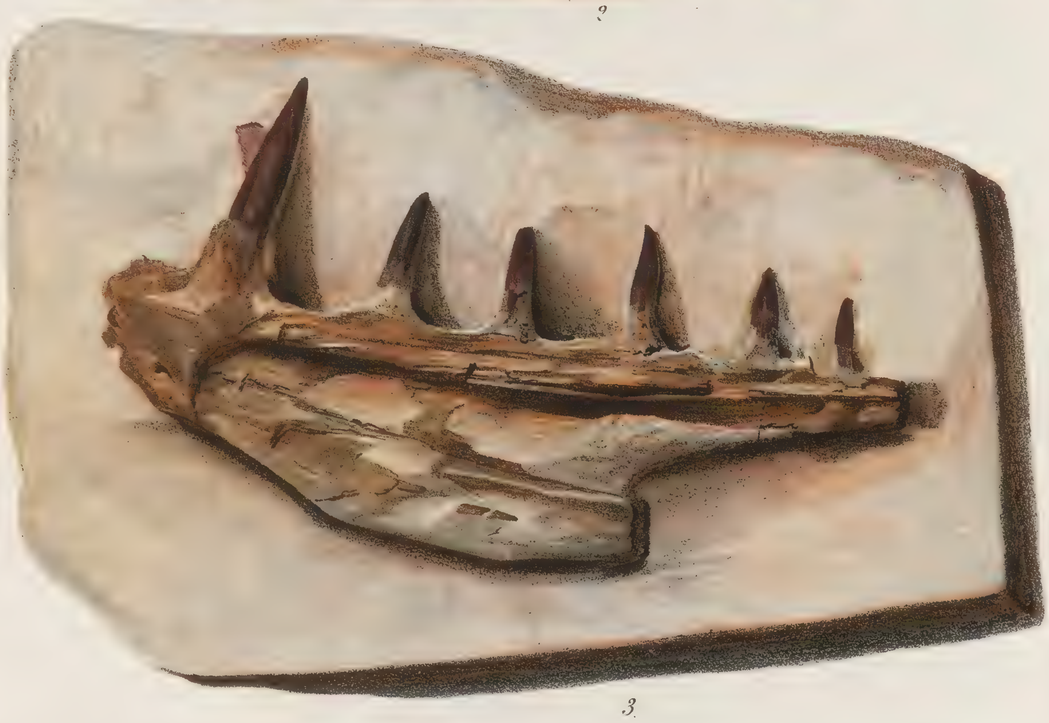


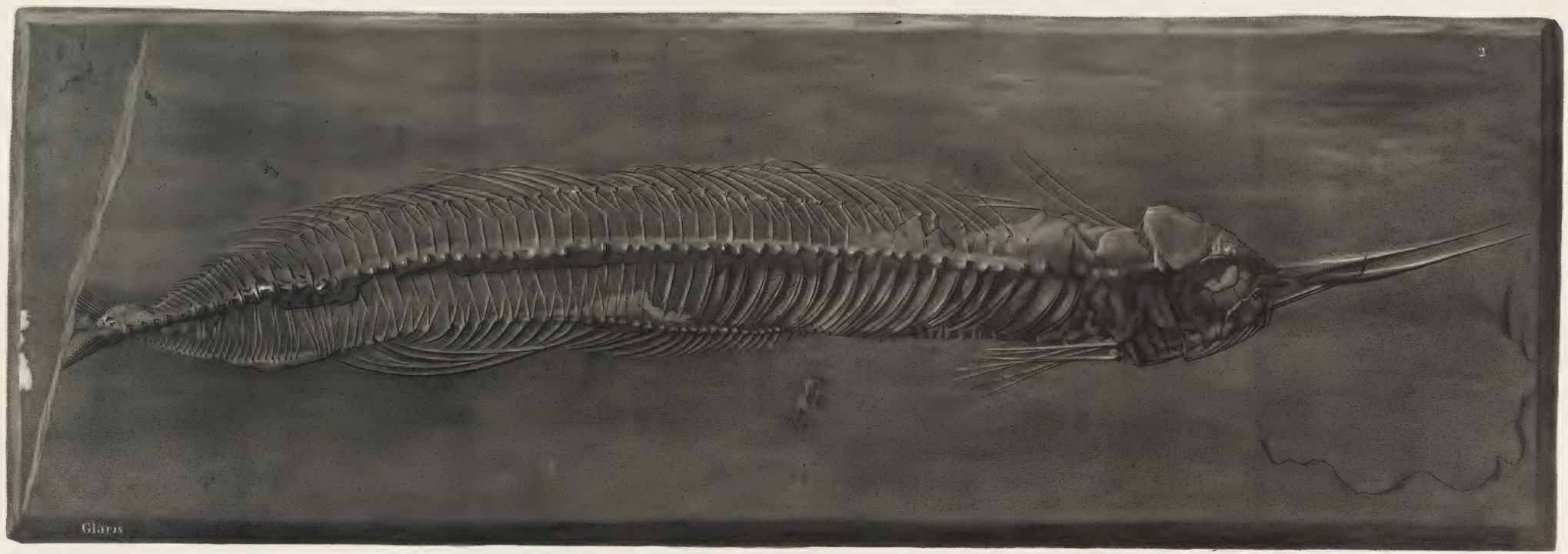
3.

Lith. de Th... Nouvelle M...

Fig. 1 ANGUILLA MULTIRADIATA Ag. *Fig. 2.* ANG. PACHYURA Ag.
Fig. 3. ENCHODUS FAUJASII Ag.

Weitnauer imp.

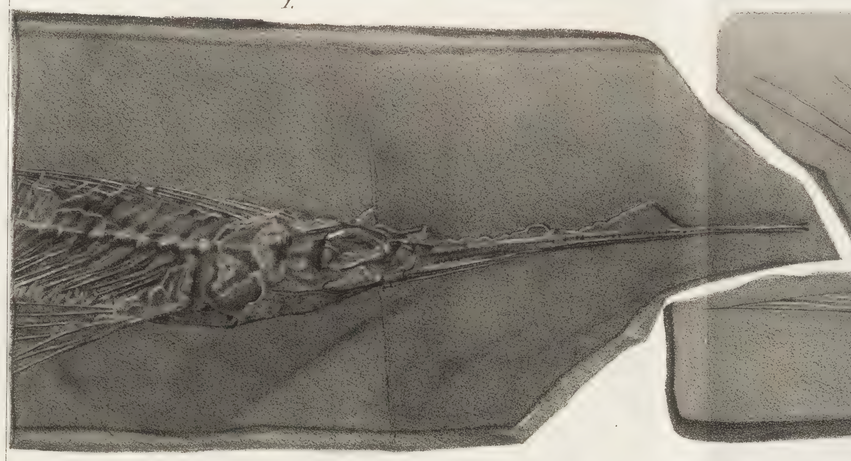
TETRAPTERUS FRISCUS Ag.



Lith. de Nicolet à Neuchatel.

Fig. 1. *Fig. 2.*

1.



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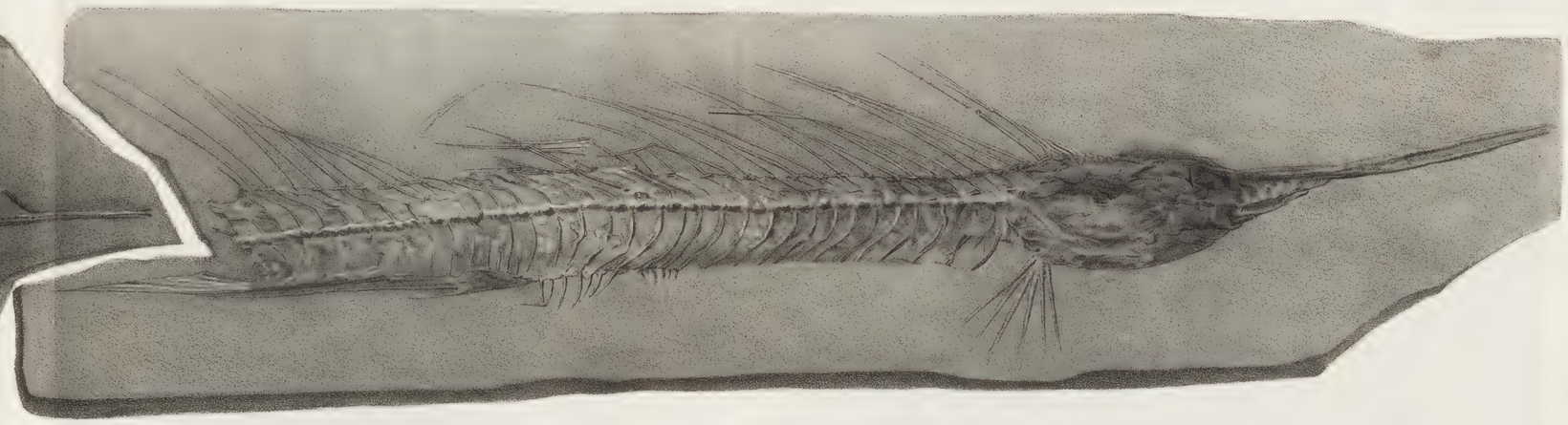

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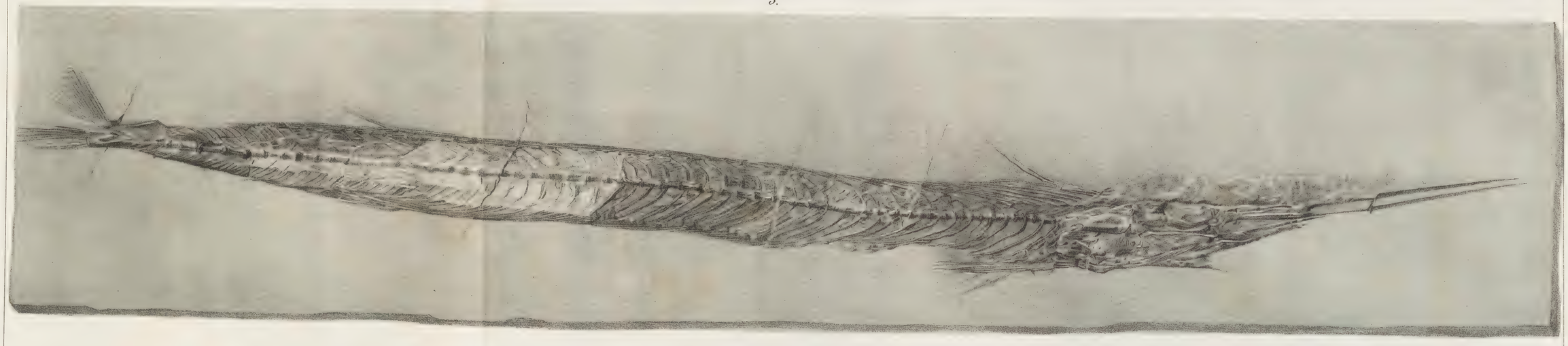
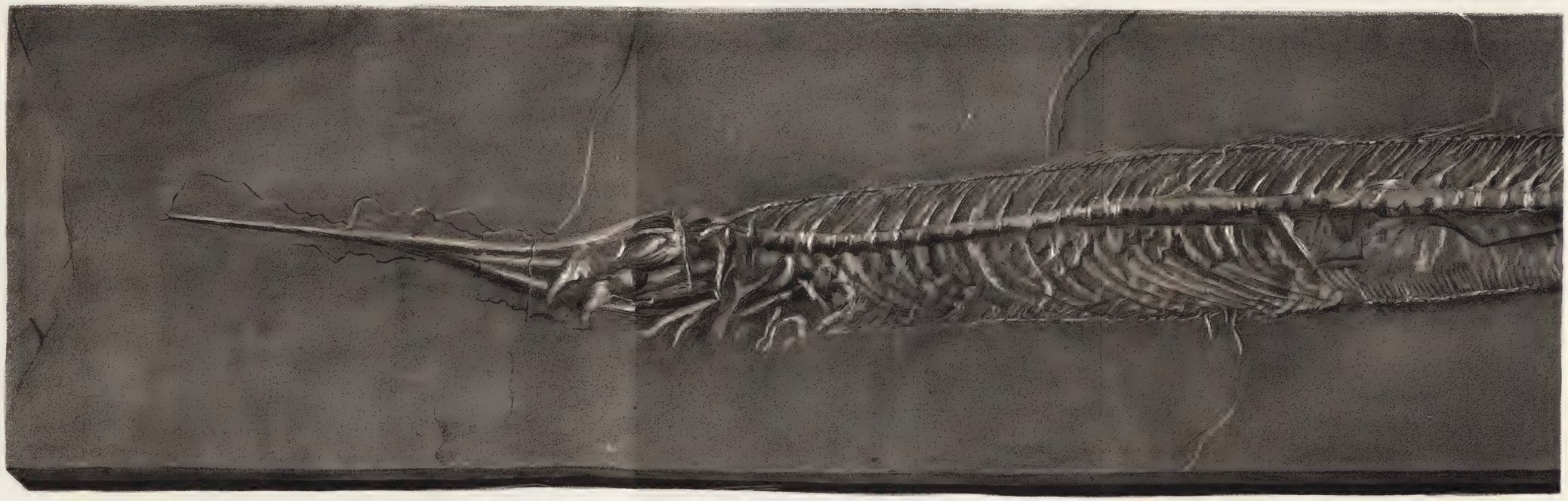


Cross sc. lap.

Lith.de Nicolet à Neuchatel

Nicolet del.



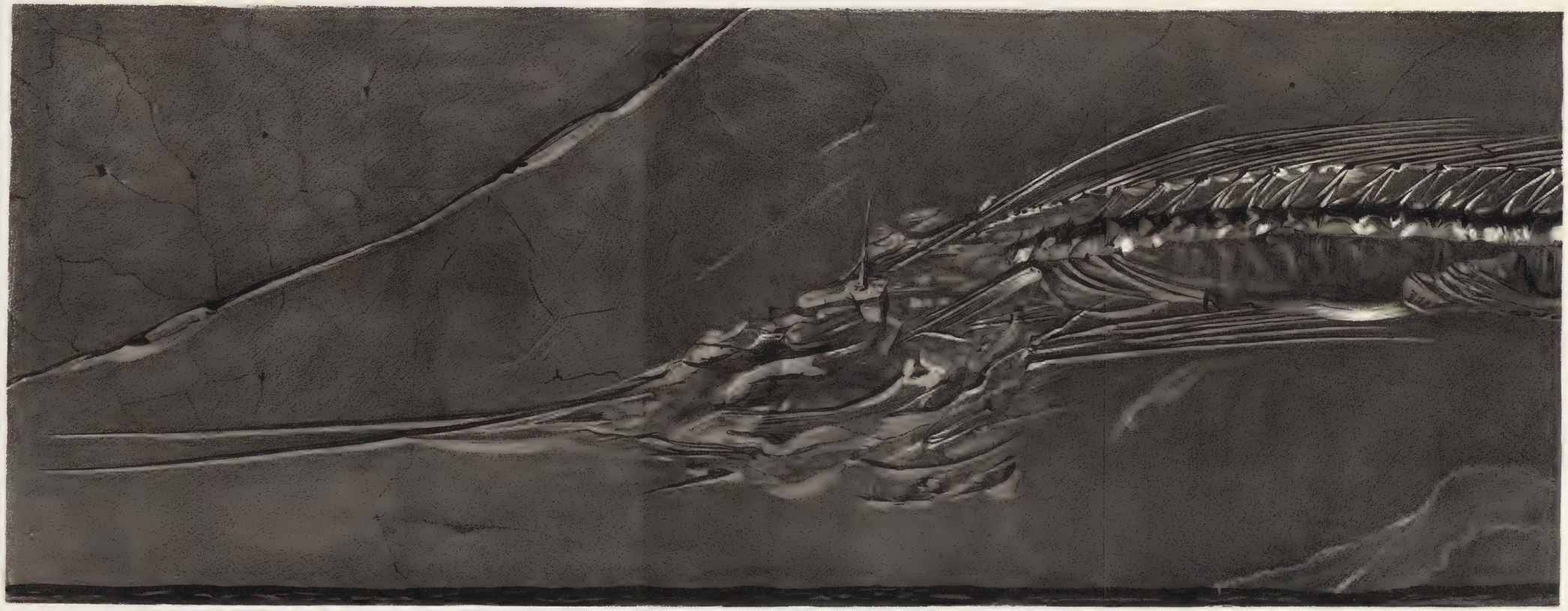
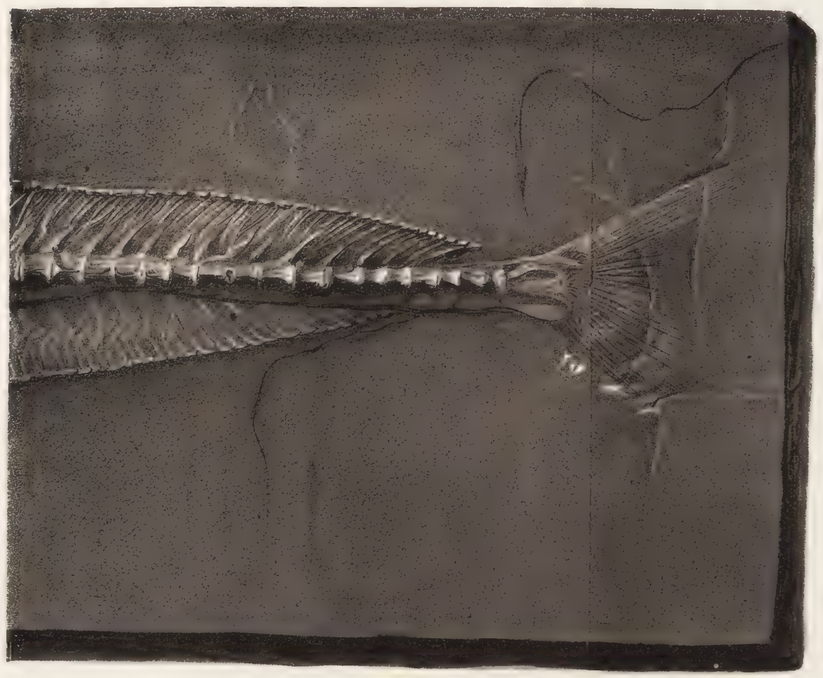


Fig. 1. Fig. 2.



Dunkel ad nat. del.

Fig. 3.

Wetter in lau Lith de Nicolet à Neuchatel

Dinkel del. Marthe lith.

Lith de Nycolet à Neuchatel r.S

ANENCHELJM LATUM A

1.

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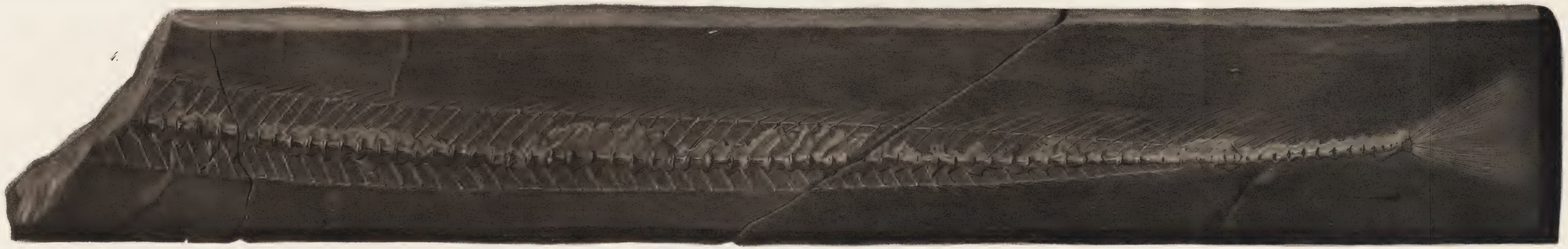
2.

4.

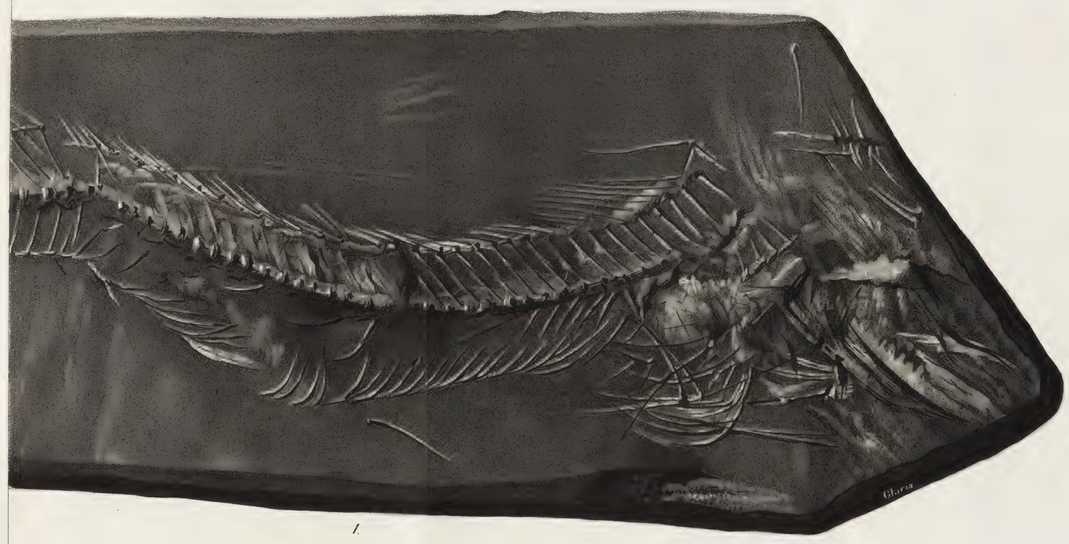


J. Lebeuf' in lap.

Lith de Nicolet à Neuchatel

Dunkel del.

Fig. 1. 2. ANTHROCOSEMUS CRASSICAUDUS DeP. Fig. 3. ANTHRACOSAURUS RUSSICUS Fig. 4. ANTHRACOSAURUS [illegible]



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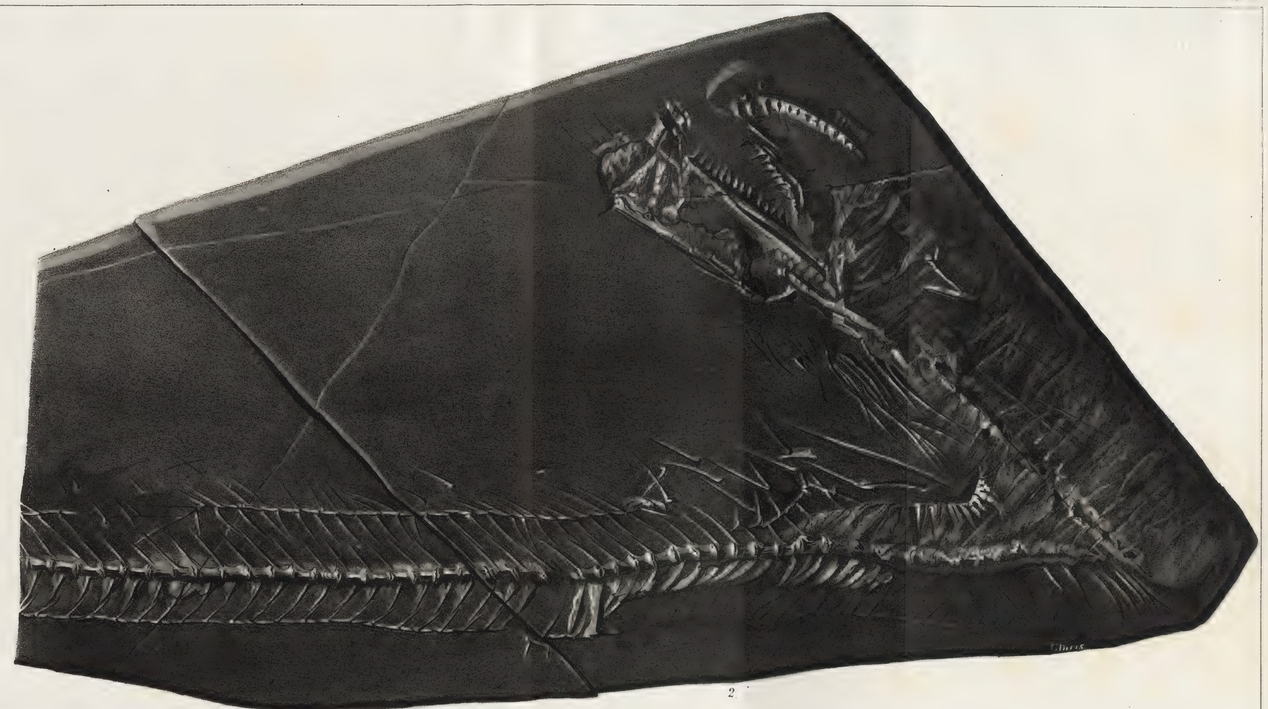

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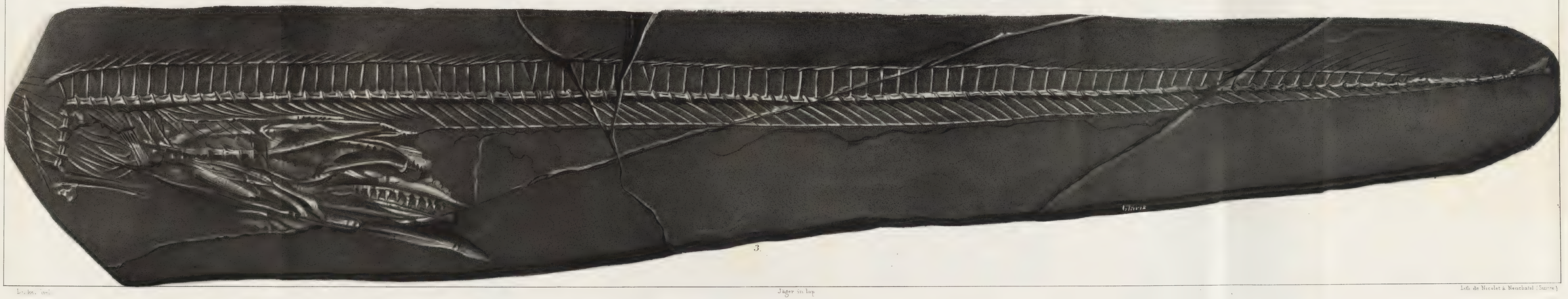


3.

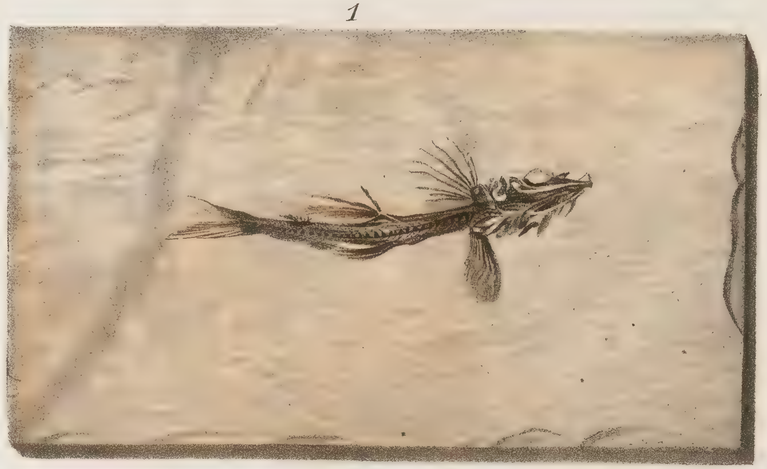
Leuckart. del.

Jäger sc. lap

Lith. de Nicolet à Neuchatel (Suisse)

Fig. 1. 2. ANENCHELUM DORSALE Ag. – *Fig. 3.* ANENCH. HIETER DILUVIANUM Ag.

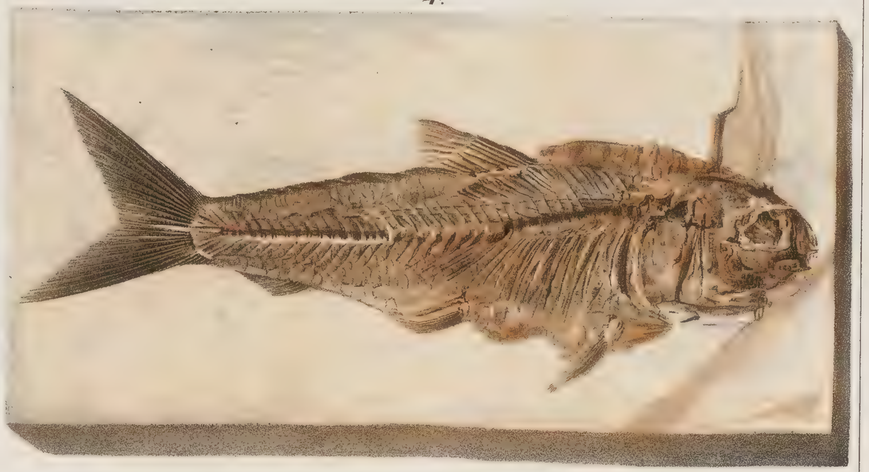
1



2

3.

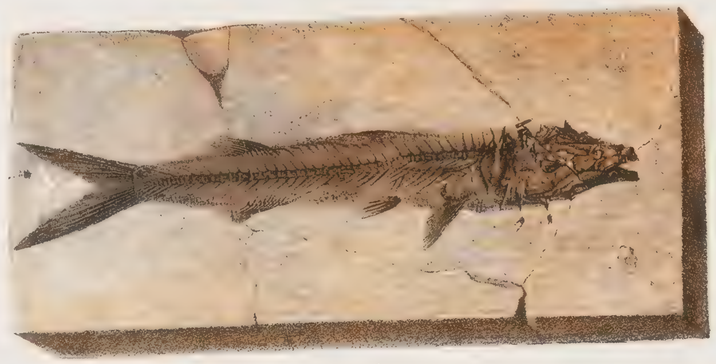
4.



Lith. Nicolet et Thez à Neuchatel

Fig. 1 et 2. [illegible] *Fig. 3 et 4.* [illegible]

1.



3.

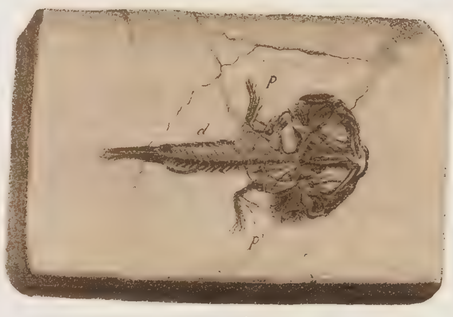
2.

Lith de Nicolet a Neuchatel Suisse)

Fig. 1 RHAMPHOGNATHUS POMPILLUS A.ĝ. – *Fig. 2. 3.* MESOGASTER SPHRANOÏDES A.ĝ

Fig. 1. *Fig. 2.*

1.



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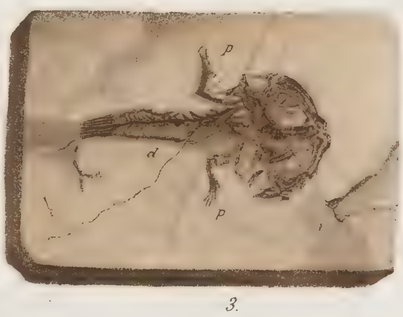
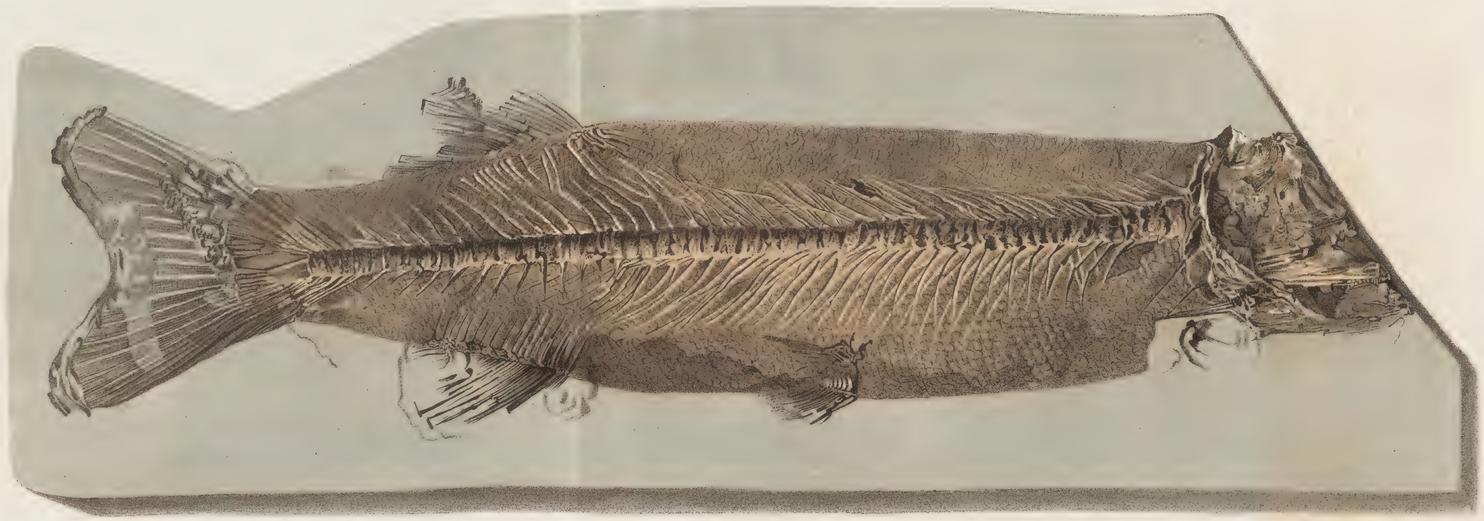


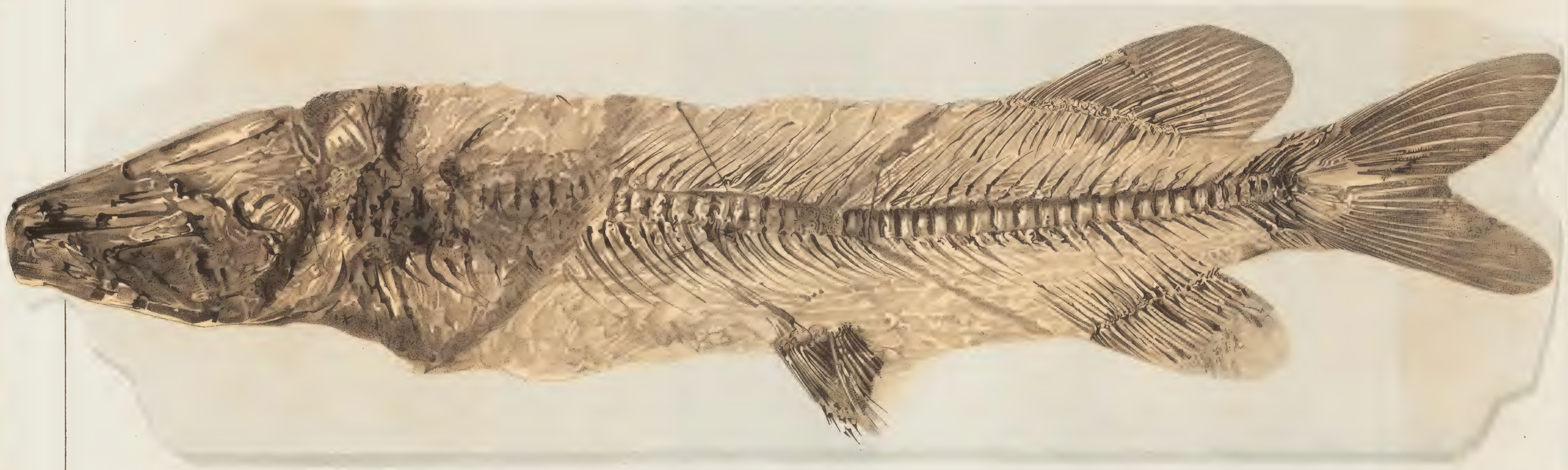
3.

2.

Druikel del. Lith. de Nicolet à Neuchatel (Suisse) Bettanier imp.

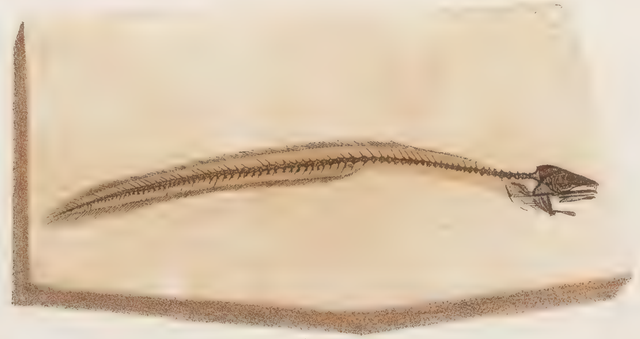
Fig. 1. 2. LEBIAS CEPHALOTES Ag. – *Fig. 3. 4. 5.* LEB. PERPUSILLUS Ag. – *Fig. 6* LEB. GOBIO v. Münst. – *Fig. 7-10.* LEB. MEYERI Ag.
Fig. 11. 12. LEB. CRASSICAUDUS Ag.





Dinkel del. Lith. de Nicolet à Neuchatel (Suisse.) Zettmann. in lap.

ESOX LEPIDOTUS Ag.



1.

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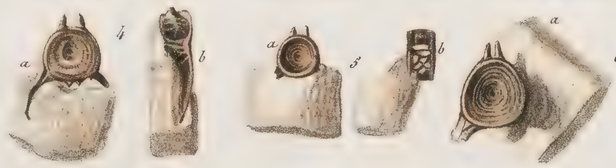
4.

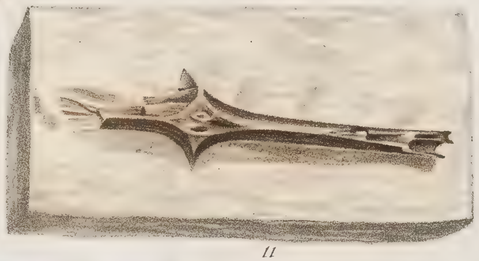
5.

Lith de Nicolet à Neuchatel (Suisse) Bettannier in lap.

Fig. 1. A. BREVICULA A.ǧ. – *Fig. 2, 3.* AN. VENTRALIS A.ǧ. – *Fig. 4.* ANG. LATISPINA A.ǧ. – *Fig. 5.* HOLOCENTRUS ESOCINUS A.ǧ.

1





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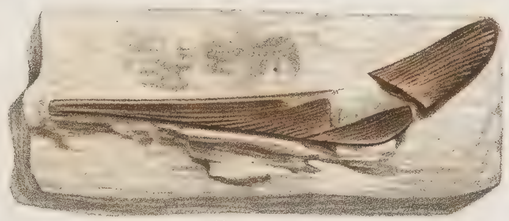
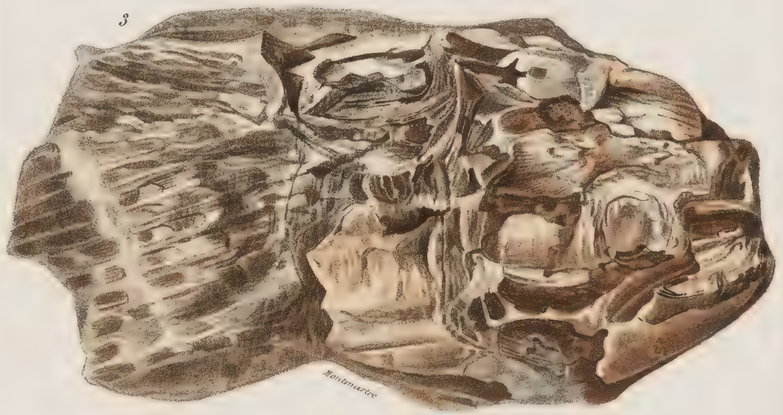


12

2.



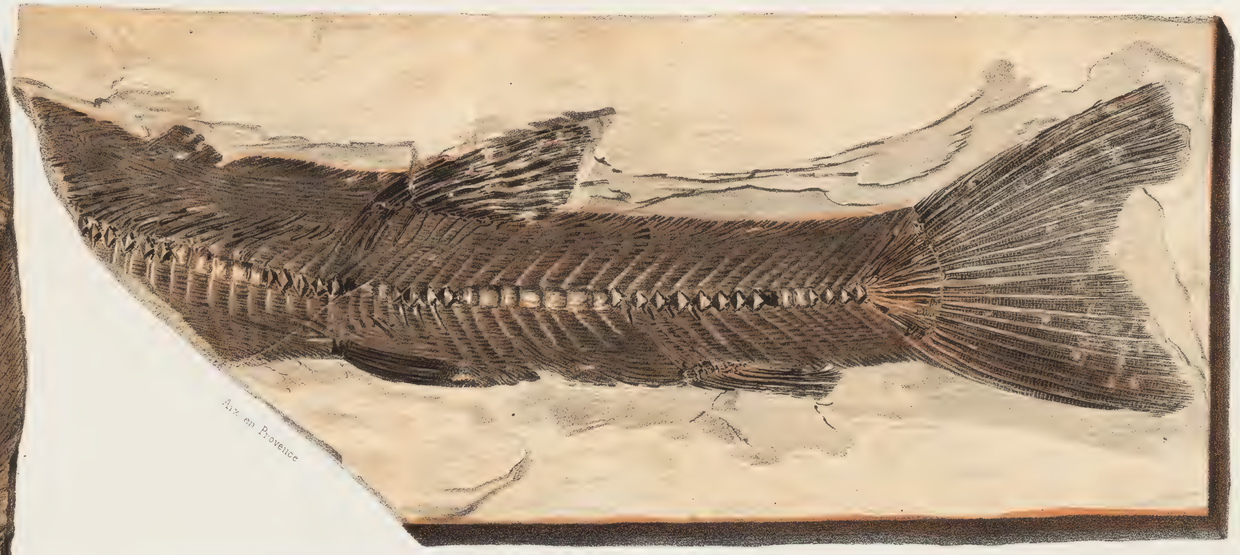
Dunkel ad. nat. Ch. Lagoanère.

Lith. de Nicolet et Jeanmaret a Neuchatel

2

Aix en Provence.

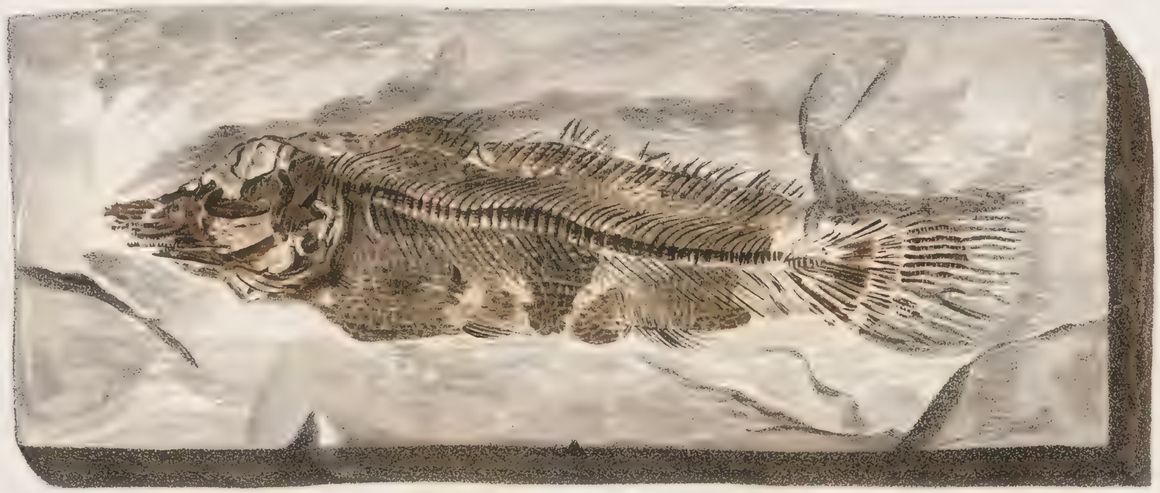
1

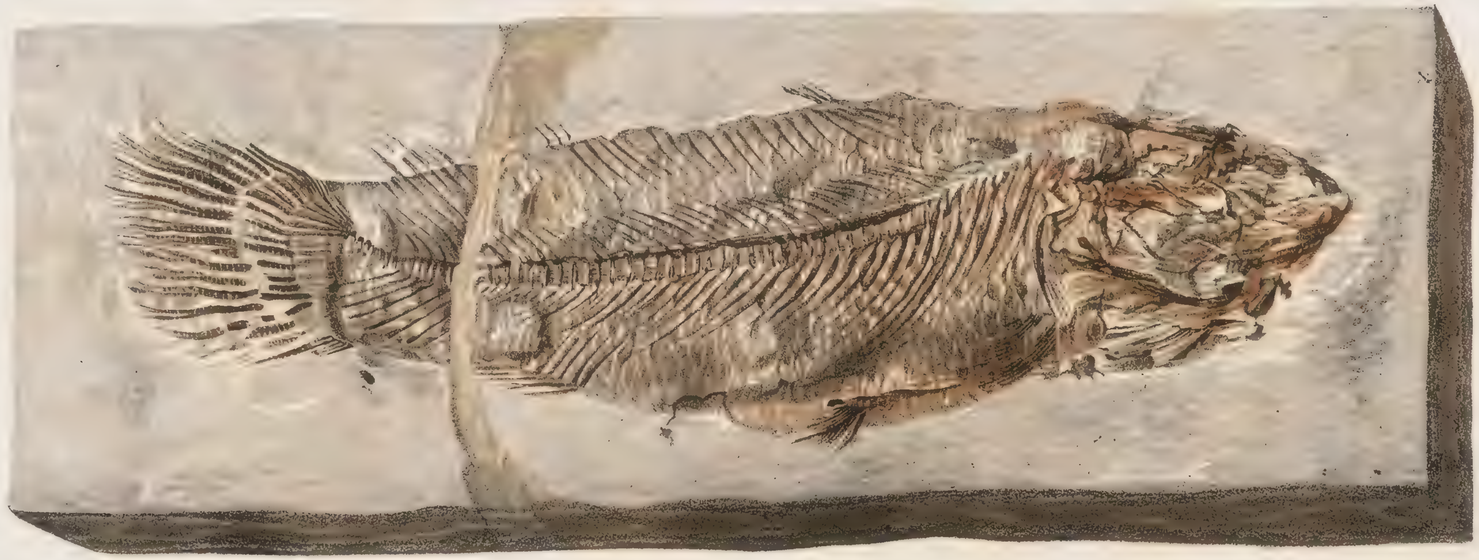


Aix en Provence

3

Lith. Jacobi et Jeanmaquet, Neuchatel





Montmartre

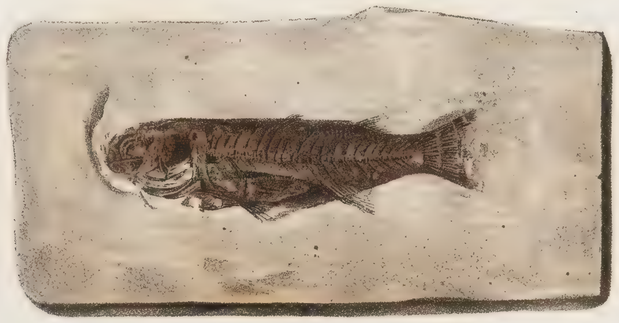
Dinkel del. Jägerm. lav.

Lith de Nicolet et Jeanmaquet à Neuchatel (Suisse)

NOTAEUS LATICAUDUS Ag.

A Sonrel a fec. ad nat. del.

Lith de Nicolet et Theis à Neuchatel (Suisse)



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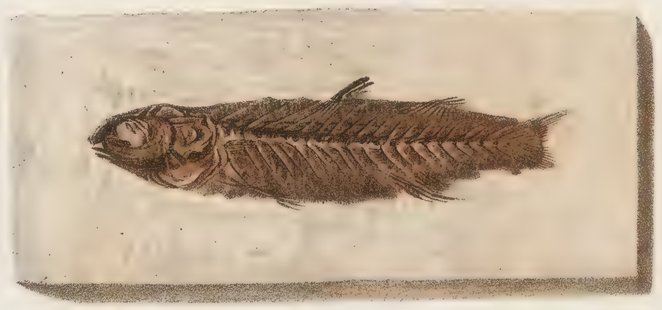

2

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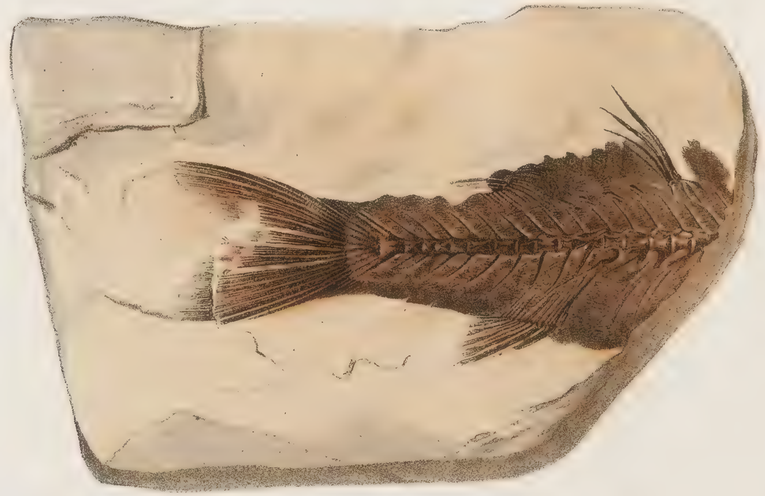
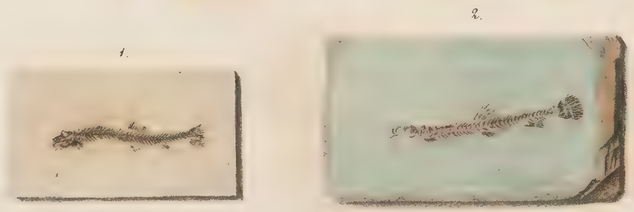


3.

... et à Neuchatel ...

Fig 1-3. ... Fig 4. ... 1/3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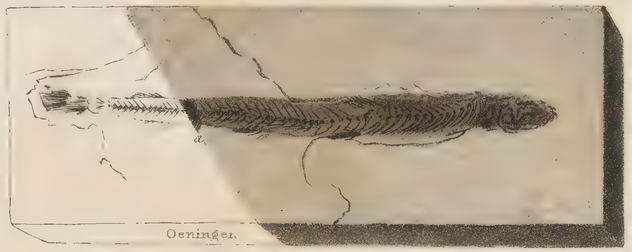
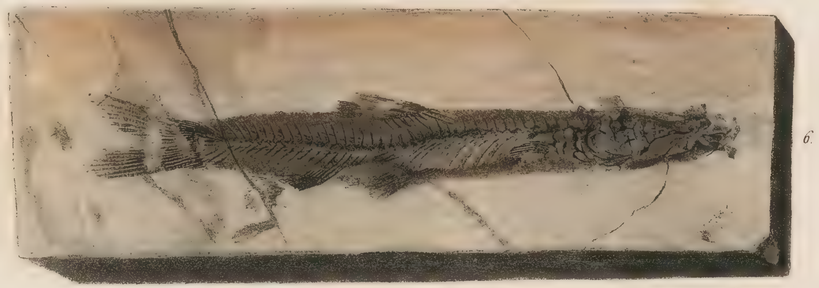

3

5


6

4

7

Diñel del.

Oeninger.

Weibermlapid

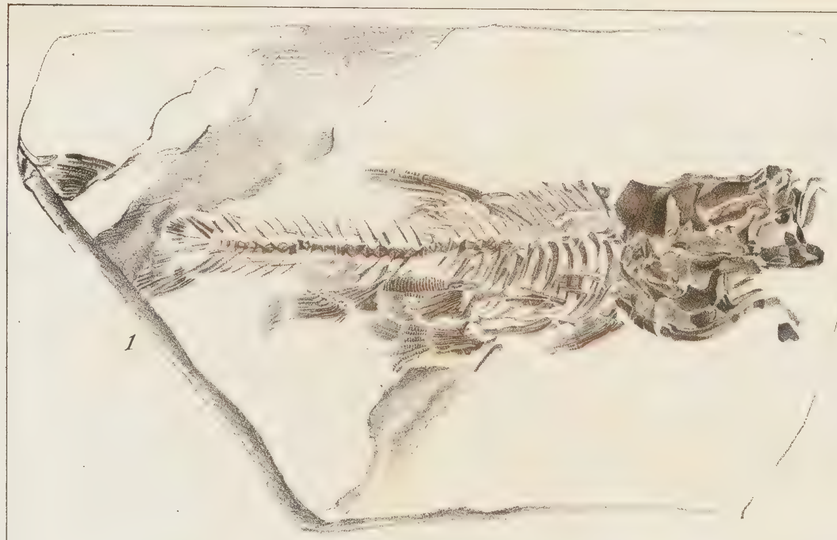
Fig 2 & 3 ACANTHURUS ANTUSITI Ag^ss. *Fig 1 & 4* COBITIS CENTROCHIR. Ag^ss.
Fig. 5. 6 & 7. COBITIS CEPHALOTES Ag^ss.

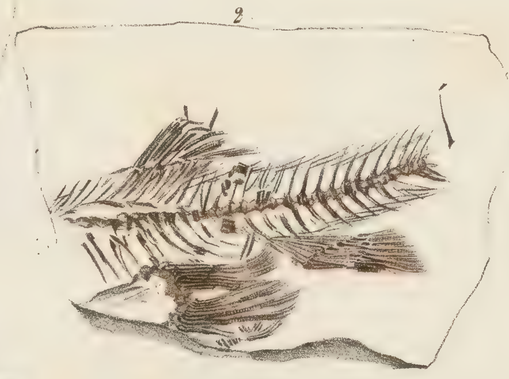
1.

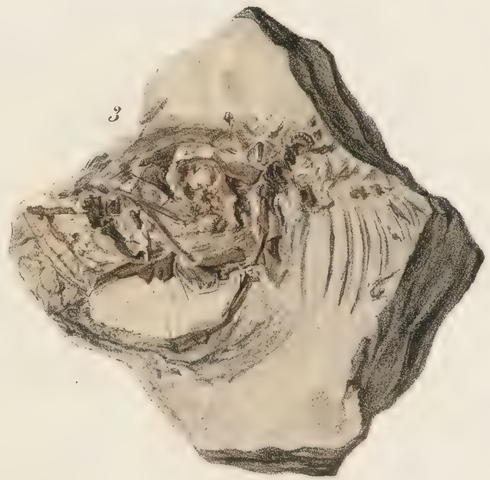
2

Dunkel del. Unger in lapid.

TINCA LEPTONOTA Ag.ss







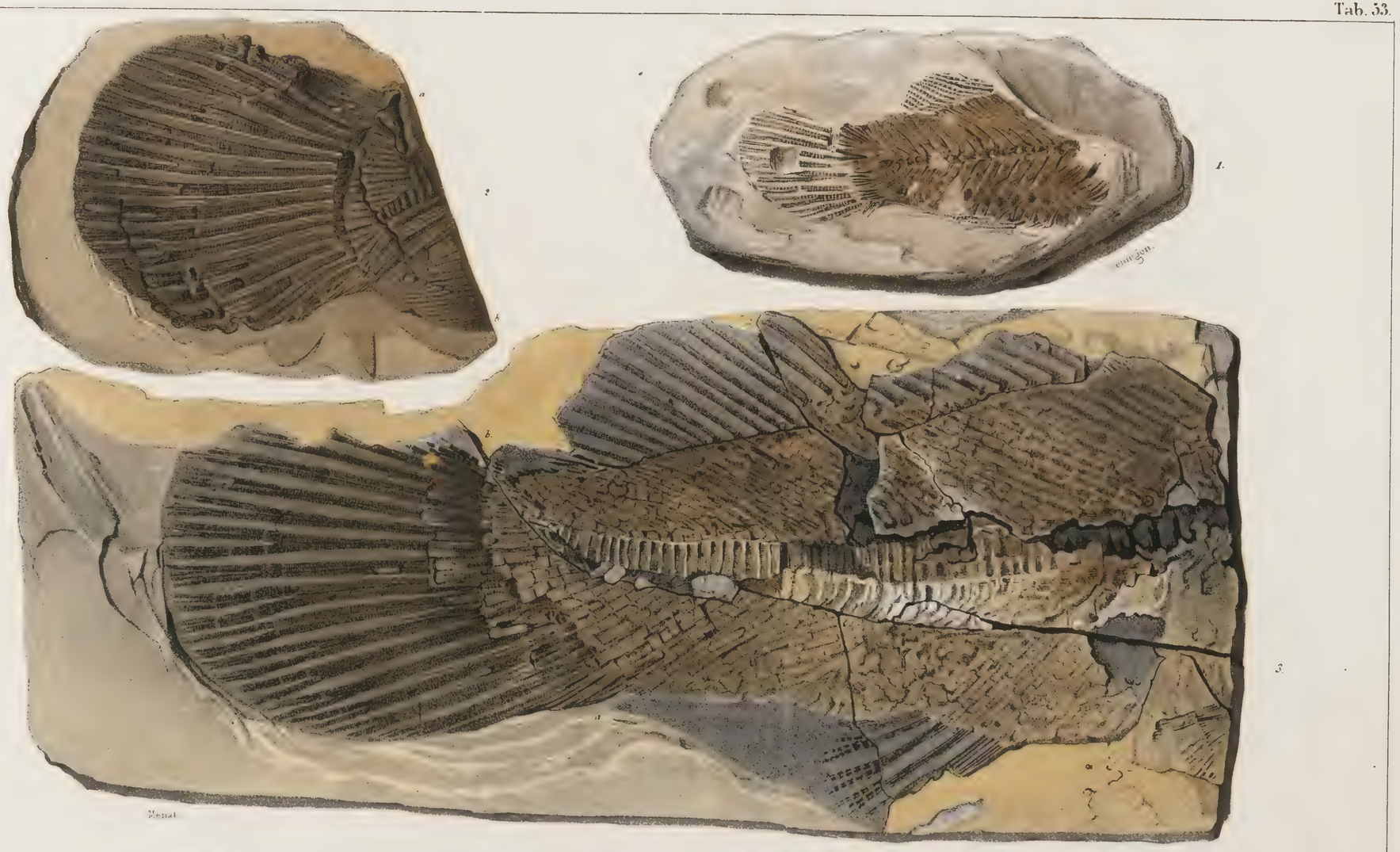
Lith. de Nicoletà Neuchatel.

Fig. 1–3. TINCA MICROPYGOPTERA Ag. — *Fig. 4 et 5.* LEUCISCUS LATIUSCULUS Ag.

Dmkel del Diekmann lith. Lith de Nicolet à Neuchatel

Fig. 1. LEUCISCUS HARTMANNII Ag. *Fig. 2 et 3.* L. GRACILIS Ag. *Fig. 4.* L. BREVIS Ag.

Oeningen



Dinkel del. Lith de Nicolet à Neuchâtel (Suisse.) Welter in lap.

Fig. 1. [illegible] *Fig. 2. 3.* [illegible]

2.

1.

3.

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5.

4.

7.

Dalled del

Recorm. sculp

Fig. 1.2.3 EDENTATA ANIMALIA *Fig. 4.5.6.* INSECTIVORA *Fig. 7* RODENTIA ANIMALIA

2.

1.

4.

3.

Oeningen.

Meinal

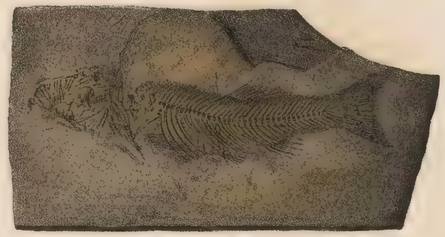
Dr. Kel. ad.

Hellmuthin lapid

Fig. 1 2 3. APEL[illegible] *Agass.* *Fig. 4.* [illegible]JS BRONGNIARTI *Agass.*

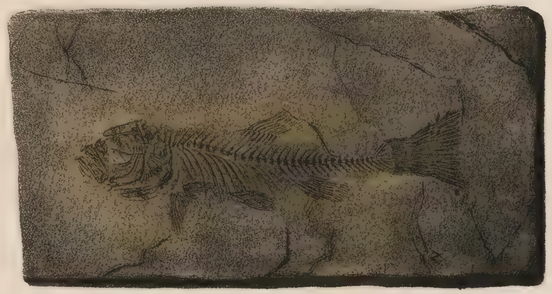
1.

2.



3.

4.



Dinkel del. Unger in lapid

2.

3.

1.

4.

Oeningen

5

Dinkel del

Hellmuth in lapid

Fig. 1. LEUCISCUS HETERURUS Agass. *Fig. 2. 3.* LEUCISCUS PUSILLUS Agass.
Fig. 4. 5. LEUCISCUS OENINGENSIS Agass.

Tab. 58

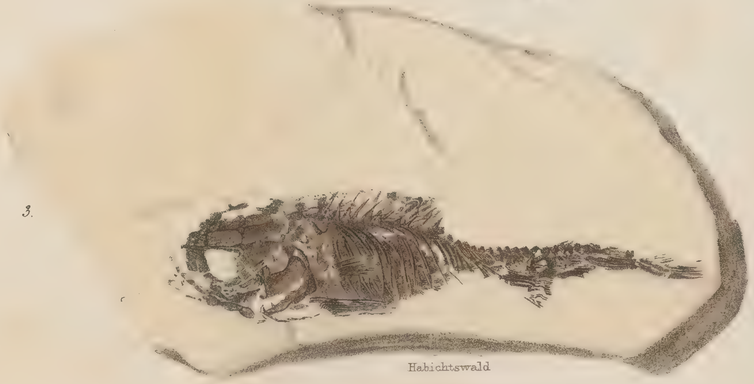
vol. 5.

1.

5.

6.

2.



3.

4.

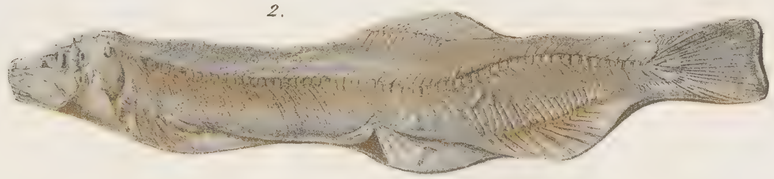
Habichtswald

Dinkel del

Weber in lapid

LEIPZIGER LITH. Aga...

1.



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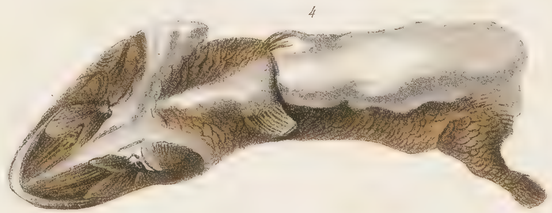
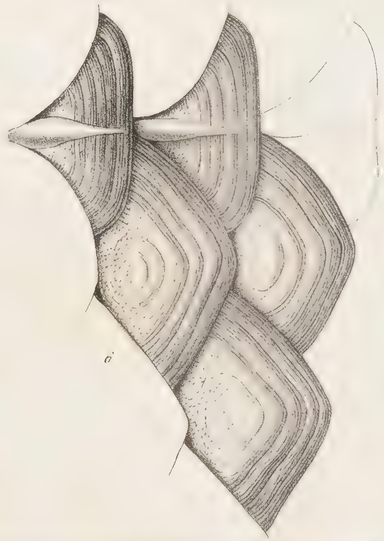
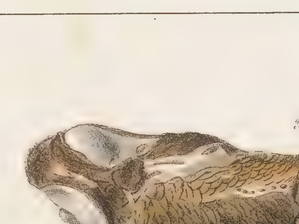
5.

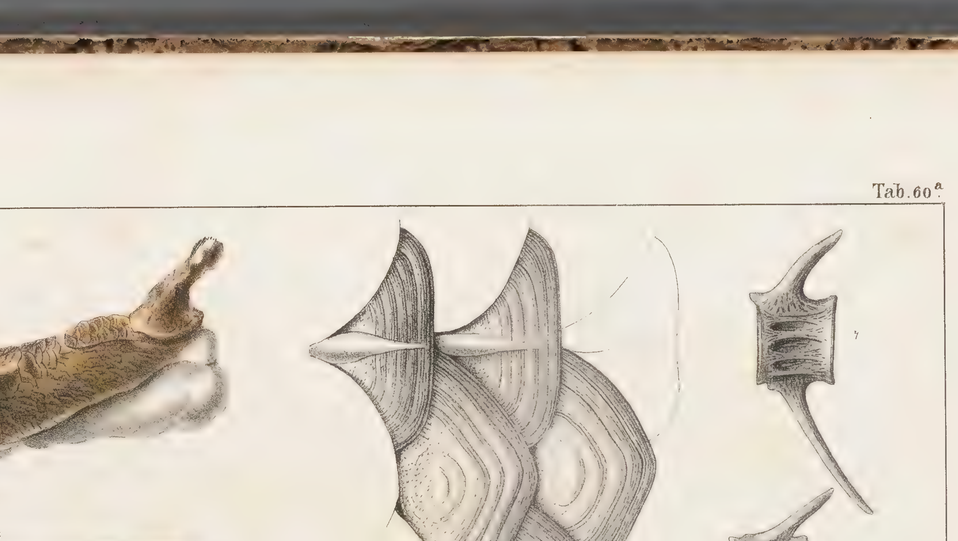
4.

3.









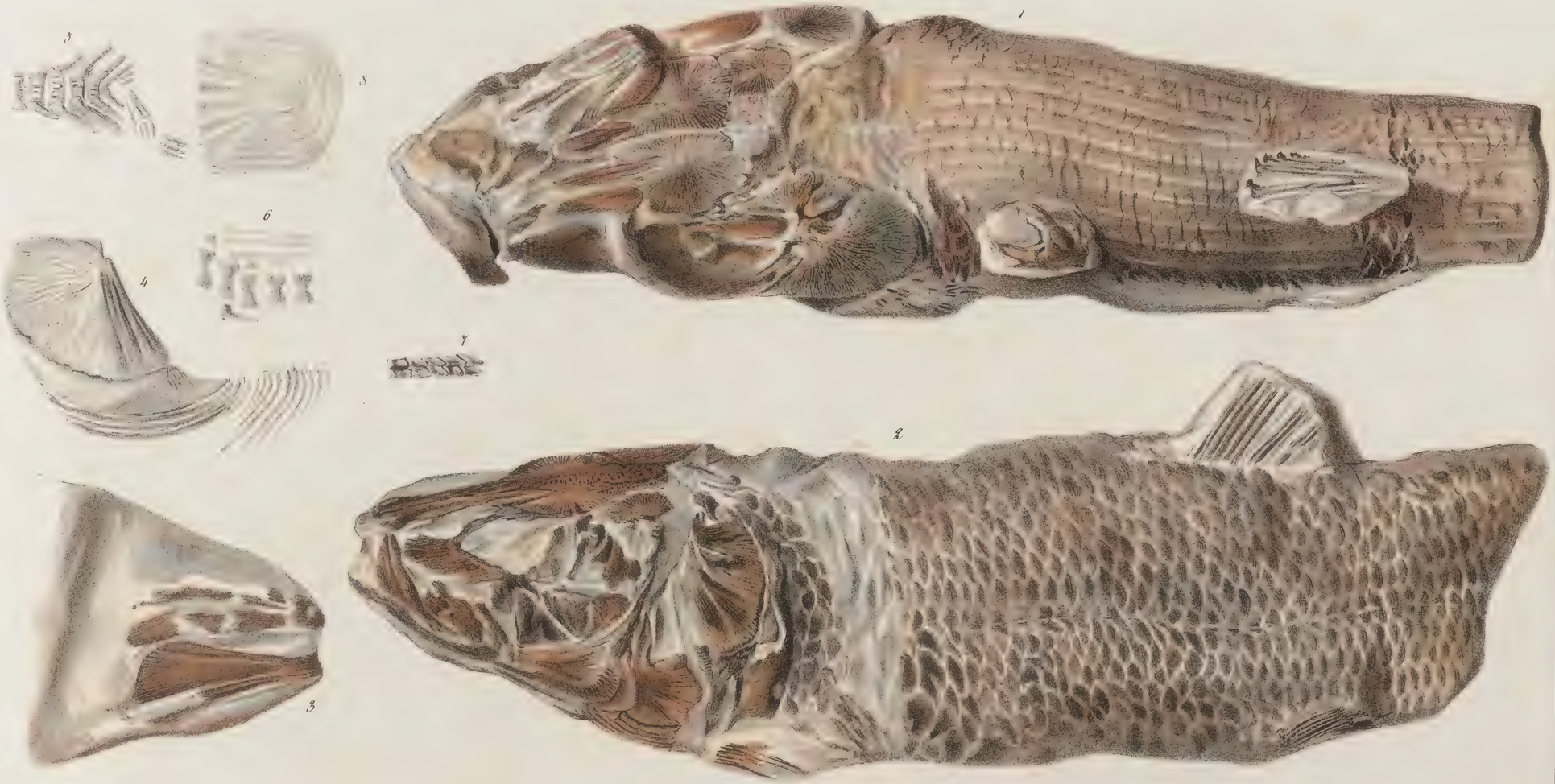
J. Dinkel del.

C. Weber in Lpz.

J Daniel del

C Weber in lap

OSMEROIDES LEWESIENSIS Agass.



J. Dinkel del

C. Weber in lap

1.

3.

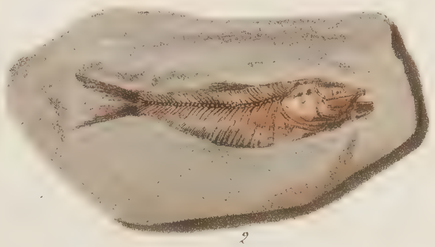
2

4.

Dinkel del. Lith. de Nicolet à Neuchatel Weber m.lap

Fig. 1. 2. OSMEROIDES CORDIERI Ag. – *Fig. 3.* OSMEROIDES MONASTERII Ag. – *Fig. 4.* OSMEROIDES MICROCEPHALUS Ag.

1.


2.

3.

4.

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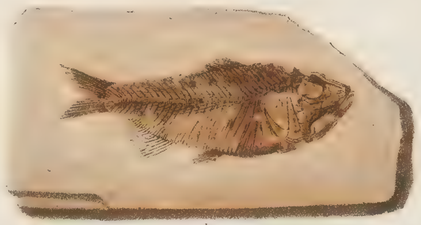
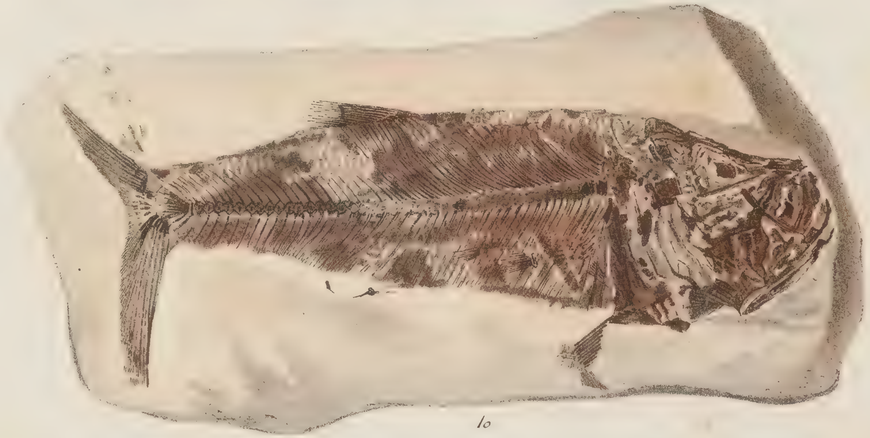

6.

7.

9.

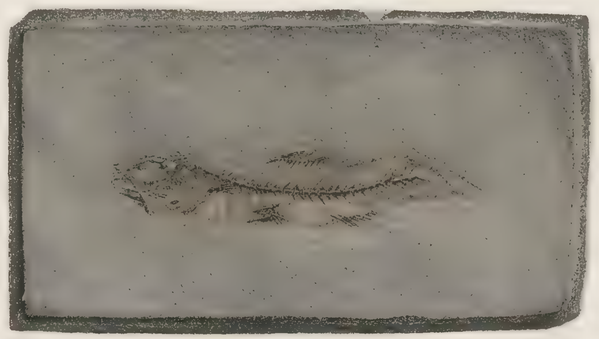
8.


10.

Dunkel de. Bettanier ndap

Fig.1 CLUP. [illegible]. Ag. – *Fig. 2.* CLUP. BEURARD de Blainv. – *Fig. 3.* CLUP. TENUISSIMA Ag. – *Fig. 4,5.* CLUP. [illegible]
Fig. 6-9. CLUP. [illegible]MA de Bl. – *Fig. 10.* CLUP. LATA Ag.

1



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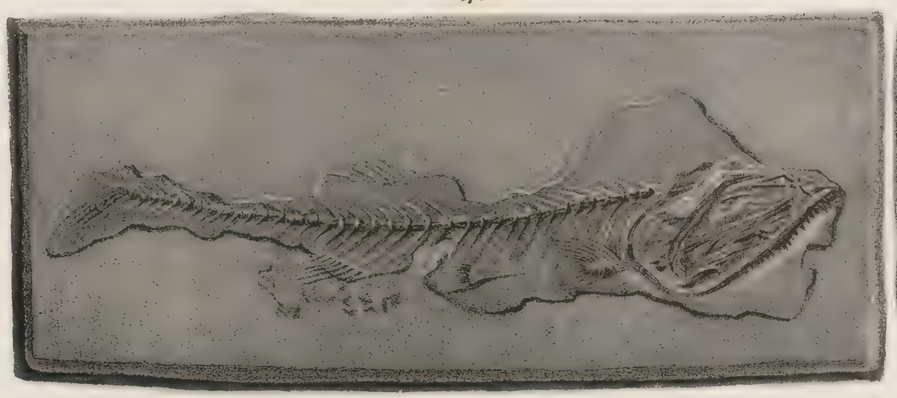
4.



3.

Gross imp

Lith. de Nicolet à Neuchatel

Pinlel del.

Fig. 1. 2. CLUPEA BREVIS DeBlainv. – *Fig. 3. 4.* OSMEROIDES [illegible]

Gruss in lap. Lith. de Nicolet à Neuchatel. Dinkel del.

HALEC STERNBERGII Ag.

Dunkel ad nat. Lith. de Nicole à Neuchatel Bourkhardt

ALOSA ELONGATA Ag.